

STIC Search Report

EIC 3600

STIC Database Tracking Number: 143174

**TO: Examiner Mark Fadok
Location: Park 5 7B27
Art Unit: 3625
Thursday, March 10, 2005
Case Serial Number: 09/901556**

**From: Ginger Roberts DeMille
Location: EIC 3600
PK5-Suite 804
Phone: 305-5774**

Ginger.roberts@uspto.gov

Search Notes

Dear Examiner Fadok:

Please find attached the results of your search for 09/901556.

The search was conducted using the mandatory database lists for Business Methods.

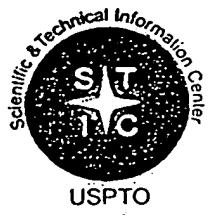
These other sources were also used: Internet, STN

If you have any questions, please do not hesitate to contact me.

Thanks for using EIC3600!

Ginger

*Reviewed
Kwic
Ginger*



STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact the EIC searcher or contact:

Karen Lehman, EIC 3600 Team Leader
306-5783, PK5- Suite 804

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* *Example: 3620 (optional)*

➤ *Relevant prior art found, search results used as follows:*

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- Foreign Patent(s)
- Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC 3600, PK5, Suite 804



```
? show files;ds
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200516
(c) 2005 Thomson Derwent
File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Oct (Updated 050209)
(c) 2005 JPO & JAPIO
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.
```

Set	Items	Description
S1	141788	(EMBED? OR INTEGRAT? OR BUILT()IN OR BUILTIN OR IMBED? OR - INTEGRAL? OR CONNECT? OR PLUG?()IN? ? OR PLUGIN? ?)(5N)(SERVER OR SERVERS OR SOFTWARE OR PROGRAM OR COMPUTER OR CHIP) OR FI- RMWARE? OR FIRM()WARE?
S2	176	EMBEDDED()SERVER? ? OR JES OR MBEDTHIS OR HUBTEA OR HUB()T- EA OR ESM NOT JOB()ENTRY()(SUBSYSTEM? OR SYSTEM?)
S3	903554	PRINTER? ? OR PERIPHERAL? ? OR LASERJET OR DESKJET OR INKJ- ET OR (LASER OR DESK OR INK)()JET
S4	197196	FUNCTIONALITY()LEVEL? ? OR (ADJUST? OR CHANG? OR ALTER? OR DYNAMIC? OR VARIAB? OR FLEXIB? OR PROGRAM? OR SPECIF?)(3N)(LE- VEL? ? OR FUNCTION? ? OR FUNCTIONALITY OR STATE OR STATUS OR - STATUS)
S5	1455	(CONSUMPTION OR CONSUM? OR USE OR USAGE)(1W)LEVEL? ?
S6	1750549	HALF()EMPTY OR FULL OR LOW
S7	400445	(PUSH? OR SEND? OR TRANSMIT? OR ROUTE? OR ROUTING OR FORWA- RD? OR COMMUNICAT?)(3N)(DATA OR INFORMATION OR RESULT? ?)
S8	98177	(SET? ? OR SETTING OR PROGRAM?)(3N)(NOTIF? OR VERIF? OR WA- RN?) OR WARNING? ? OR NOTIFICATION? ? OR ALERT?
S9	251111	(WHEN OR HOW OR WHAT OR IMPENDING)(1W)REPLACE OR MAINTENAN- CE OR REPLACEMENT OR ALTERNATIVE()PARTS OR ISSUE()URGENCY
S10	3	S2 AND S3 AND (S4:S9)
S11	449476	MC=T04-G? OR IC=(B41J OR G06K-015)
S12	4	S2 AND S11
S13	5	S10 OR S12
S14	334	S1 AND (S3 OR S11) AND S4
S15	4	S1 AND (S3 OR S11) AND S5
S16	4	S15 NOT S12
S17	4	S16 NOT S13
S18	0	S14 AND FUNCTIONALITY()LEVEL? ?
S19	17	FUNCTIONALITY()LEVEL? ?
S20	0	S12 AND S19
S21	0	S11 AND S19
S22	0	S2 AND S19
S23	6	(S5:S9) AND S19
S24	6	S23 NOT (S10 OR S12:S13 OR S15:S17)
S25	0	(REORDER? OR RE()ORDER? OR FULFILLMENT? OR EDI) AND S19
S26	65	(REORDER? OR RE()ORDER?) AND (S11 OR S2)
S27	7	(S4 OR S5 OR S6 OR S7 OR S8 OR S9) AND S26
S28	7	S27 NOT (S10 OR S12:S13 OR S15:S17)
	?	

? t13/4/all

13/4/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 2004-179273/200417|

XR- <XRPX> N04-142568|

TI- Browser-accessible interface supporting method for **printer** , involves storing **embedded server** in host computing device of user, and using server to present interface for **printer** |

PA- HEWLETT-PACKARD DEV CO LP (HEWP); DAVIS A E (DAVI-I); GREEN B A (GREE-I); WHALEY M D (WHAL-I)|

AU- <INVENTORS> DAVIS A E; GREEN B A; WHALEY M D|

NC- 002|

NP- 002|

PN- US 20040015576 A1 20040122 US 2002198853 A 20020719 200417 B|

PN- DE 10318201 A1 20040205 DE 1018201 A 20030422 200417|

AN- <LOCAL> US 2002198853 A 20020719; DE 1018201 A 20030422|

AN- <PR> US 2002198853 A 20020719|

LA- US 20040015576(15)|

AB- <PN> US 20040015576 A1|

AB- <NV> NOVELTY - An **embedded server** is stored in host computing device (102) e.g. personal computer (PC) of an user and the **embedded server** is used to present an interface for a **printer** (104) to user browser. The **dynamic** information concerning the **status** and setting of the **printer** is obtained from the **printer** and is merged with other content to generate the interface.|

AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

 (1) browser-accessible interface presenting method;

 (2) method for facilitating generation of browser-accessible

interface;

 (3) computing device;

 (4) electrical device;

 (5) **embedded server** stored in recorded medium for generating browser-accessible interface; and

 (6) dynamic information reporting program.

 USE - For supporting browser-accessible interface for **printer** , multifunction **peripheral** (MFP).

 ADVANTAGE - The storage and computing capacity of the **printer** are minimized, hence the cost of the **printer** is reduced.

 DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of the **printer** interface localization system.

 host computing device (102)

printer (104)

 network (106)

 computing devices (108)

 pp; 15 DwgNo 1/9|

DE- <TITLE TERMS> ACCESS; INTERFACE; SUPPORT; METHOD; PRINT; STORAGE; EMBED ; SERVE; HOST; COMPUTATION; DEVICE; USER; SERVE; PRESENT; INTERFACE; PRINT|

DC- T01; T04|

IC- <MAIN> G06F-015/173|

MC- <EPI> T01-C05A; T01-H05A; T01-N02A3C; T01-N03A1; T01-S03; T04-G10 |

FS- EPI||

13/4/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2004-167879/200416|
XR- <XRPX> N04-133874|
TI- Electrical device user interface customization method e.g. for printer, involves presenting customized user interface, when user browses to **embedded server** of electrical device|
PA- ALLEN K H (ALLE-I); GREEN B (GREE-I); KROPF L J (KROP-I)|
AU- <INVENTORS> ALLEN K H; GREEN B; KROPF L J|
NC- 001|
NP- 001|
PN- US 20040012628 A1 20040122 US 2002198335 A 20020716 200416 B|
AN- <LOCAL> US 2002198335 A 20020716|
AN- <PR> US 2002198335 A 20020716|
LA- US 20040012628(15)|
AB- <PN> US 20040012628 A1|
AB- <NV> NOVELTY - The customization selection for customizing user interface of an electrical device, is received from a user through a customization utility. The user is presented with a customized user interface, when the user browses to an **embedded server** of the electrical device, by implementing the interface selection.|
AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
 (1) system for facilitating customization of network-based device user interface;
 (2) host-side customization utility;
 (3) device-side customization utility;
 (4) method for customizing browser-accessible electrical device user interface; and
 (5) electrical device.
USE - For customizing electrical device interface e.g. for printer used with host computing devices such as personal computer (PC), desktop computer, laptop computer, personal digital assistant (PDA), mobile telephone connected to network such as local area network (LAN) and wide area network (WAN) using wireless communication e.g. radio frequency (RF) or infrared (IR) or connected using direct electrical or optical connection such as parallel port or universal serial bus (USB).

ADVANTAGE - The electrical device user interface is customized to suit the need of the user for downloading and formatting information from host computing device to the electrical device or user can directly select and arrange the content by accessing the electrical device.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the computing device.

pp; 15 DwgNo 2/8|

DE- <TITLE TERMS> ELECTRIC; DEVICE; USER; INTERFACE; CUSTOMISATION; METHOD; PRINT; PRESENT; CUSTOMISATION; USER; INTERFACE; USER; EMBED; SERVE; ELECTRIC; DEVICE|
DC- P85; T01; T04; W01|
IC- <MAIN> G09G-005/00|
MC- <EPI> T01-C05A1; T01-C07C3; T01-S03; **T04-G10C** ; W01-A06B5A; W01-A06B5B
|
FS- EPI; EngPI||

13/4/3 (Item 3 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2003-596784/2003561
XR- <XRPX> N03-4755701
TI- Output engine hard copy configuration method, involves activating hot link and configuring data hard copy output engine using activation link through **embedded server** |
PA- HEWLETT-PACKARD CO (HEWP); HAINES R E (HAIN-I)|
AU- <INVENTORS> HAINES R E|
NC- 002|
NP- 002|
PN- US 20030074547 A1 20030417 US 2001976631 A 20011011 200356 B|
PN- GB 2382693 A 20030604 GB 200223740 A 20021011 200356|
AN- <LOCAL> US 2001976631 A 20011011; GB 200223740 A 20021011|
AN- <PR> US 2001976631 A 20011011|
LA- US 20030074547(13)|
AB- <PN> US 20030074547 A1|
AB- <NV> NOVELTY - The method involves activating a hot link and downloading a data that includes a configuration plug-in and a configuration data each having user-specified information. The downloading process involves sending and receiving an electronic message associated with hardcopy output engine through Internet. The downloaded data is then used for configuring the hard copy output engine through an **embedded server** . |
AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a computer implemented control system for hard copy output engine.
USE - Used for configuring hard copy output engine.
ADVANTAGE - The system helps in ensuring adequate supplies of replacement media and pigmentation or marking material is available whenever needed. The over- or under- stocking of the consumable commodities is avoided, which helps in achieving economies of scale by pooling orders to service multiple hard copy output engines.
DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart illustrating the steps in carrying out process for configuring hard copy output engine.
pp; 13 DwgNo 3/61
DE- <TITLE TERMS> OUTPUT; ENGINE; HARD; COPY; CONFIGURATION; METHOD; ACTIVATE; HOT; LINK; DATA; HARD; COPY; OUTPUT; ENGINE; ACTIVATE; LINK; THROUGH; EMBED; SERVE|
DC- T01; T04|
IC- <MAIN> G06F-003/12; G06F-015/177|
IC- <ADDITIONAL> G06F-017/60|
MC- <EPI> T01-C05A1; T01-F05B2; T01-N01D3; **T04-G10E** |
FS- EPI||

13/4/4 (Item 1 from file: 347)
FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2005 JPO & JAPIO. All rts. reserv.|
TI- BINARIZATION METHOD FOR HALFTONE IMAGE AND STORAGE MEDIUM
PN- 10-191052 -JP 10191052 A-
PD- July 21, 1998 (19980721)
AU- YOSHIDA YASUNARI
PA- BROTHER IND LTD [000526] (A Japanese Company or Corporation), JP (Japan)
AN- 08-350800 -JP 96350800-
AN- 08-350800 -JP 96350800-
AD- December 27, 1996 (19961227)
IC- -6- H04N-001/403; G06T-005/00
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.9 (INFORMATION PROCESSING -- Other)

KW- R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors);
R138 (APPLIED ELECTRONICS -- Vertical Magnetic & Photomagnetic
Recording)

AB- PROBLEM TO BE SOLVED: To prevent a low density part from being
affected by the diffused and stored minus errors when a halftone
image is binarized.

SOLUTION: When a marked pixel is not turned on (S310, NO), the
cumulative error value ES is calculated based on the binarization
error value ERR (S315). It is decided whether the sum of the value ES
and the binarization error value of the marked pixel is smaller than
the prescribed decision value **ESM** (S330). If the sum is smaller
than the value **ESM**, the absolute value is reduced by multiplying
the value E by a coefficient (k) and distributed to the error buffers
(e) of **peripheral** pixels based on an error distribution matrix Bmat
(S340). Then the value E of the marked pixel is stored in a work
memory as the binarization error value ERR (s) of the s-th pixel
(S360). Then the next pixel processing is ready.

13/4/5 (Item 2 from file: 347)

FN- DIALOG(R)File 347:JAPIO!
CZ- (c) 2005 JPO & JAPIO. All rts. reserv.!
TI- **PRINTER** OUTPUT CONTROL SYSTEM
PN- 57-108977 -JP 57108977 A-
PD- July 07, 1982 (19820707)
AU- MATSUDA CHIAKI
PA- FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
AN- 55-184928 -JP 80184928-
AN- 55-184928 -JP 80184928-
AD- December 25, 1980 (19801225)
IC- -3- **G06K-015/16 ; B41J-029/38 ; G06K-015/06**
CL- 45.3 (INFORMATION PROCESSING -- Input Output Units); 29.4 (PRECISION
INSTRUMENTS -- Business Machines)
SO- Section: P, Section No. 147, Vol. 06, No. 198, Pg. 164, October 07,
1982 (19821007)
AB- PURPOSE: To facilitate printing operation by reading volume information
out of a storage part provided to a cassette for a cassette **printer**
forms and by **sending** corresponding spool **data** including volume
information.

CONSTITUTION: Cassettes 1-1-1-n for **printer** forms are provided with
storage parts 2-1-2-n, which are each stored with volume information
that shows a print format, etc. **Printer** 3-1-3-n are provided with
reading heads 4-1-4-n reading the volume information. An AVR function
part 6 sets the read volume information in a volume table 7. Data
blocks are written in data block parts 12-1-12-m, and in header parts
11-1-11-m, the volume information is written. Since the volume
information in the header part 11-2 is ABC in the figure, the volume
information ABC is printed through a **JES** writer part 8 on the
printer 3-1 wherein a corresponding cassette **printer** form is set.

?

? t16/4/all

16/4/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 2004-364178/200434|

XR- <XRPX> N04-291314|

TI- Processor-readable medium for color **printer** , has instructions to project color cartridge failure mechanism, and select between faster printing and reduced risk of color cartridge wear-out where cartridge wear-out is projected|

PA- BURKES T A (BURK-I); FOLKNER S R (FOLK-I); SMITH D E (SMIT-I); TYSON B B (TYSO-I)|

AU- <INVENTORS> BURKES T A; FOLKNER S R; SMITH D E; TYSON B B|

NC- 001|

NP- 001|

PN- US 20040075855 A1 20040422 US 2002272074 A 20021016 200434 B|

AN- <LOCAL> US 2002272074 A 20021016|

AN- <PR> US 2002272074 A 20021016|

LA- US 20040075855(13)|

AB- <PN> US 20040075855 A1|

AB- <NV> NOVELTY - The medium has instructions for evaluating a wear level and a **consumable use level** of a color cartridge, and projecting a color cartridge failure mechanism based on the wear and **consumable use levels** . The mechanism is projected to be either color cartridge wear-out or consumable exhaustion. Selection is made between faster printing and a reduced risk of color cartridge wear-out, where color cartridge wear-out is projected.|

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a **printer** .

USE - Used for managing consumable wear in a color **printer** (claimed).

ADVANTAGE - The consumable wear in the color **printer** is effectively managed to improve the print quality of the cartridge before exhaustion of the supply of consumables within the cartridge, thus allowing a user to receive the rated page output for the cartridge.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a **printer** mode switching module contained within **firmware** within the **printer** .

Printer mode switching decision module (114)

Risk factor evaluation module (202)

Switching module (204)

Risk level classification module (302)

Color cartridge wear-out criteria (304)

pp; 13 DwgNo 3/7|

DE- <TITLE TERMS> PROCESSOR; READ; MEDIUM; COLOUR; PRINT; INSTRUCTION; PROJECT; COLOUR; CARTRIDGE; FAIL; MECHANISM; SELECT; FAST; PRINT; REDUCE; RISK; COLOUR; CARTRIDGE; WEAR; CARTRIDGE; WEAR; PROJECT|

DC- P84; T01; T04|

IC- <MAIN> G06F-003/12|

IC- <ADDITIONAL> G03G-015/00; G03G-015/01; G03G-015/08; G06F-013/00; G06F-015/00|

MC- <EPI> T01-C05A; T01-J05A2D; T01-S03; T04-G02 ; T04-G07 |

FS- EPI; EngPI||

16/4/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 1996-208891/199621|
XR- <XRPX> N96-174866|
TI- Multi-voltage circuit on single semiconductor chip - has two sets of input-output circuitry in communication with core circuitry, and powered at different voltage levels|
PA- ACC MICROELECTRONICS CORP (ACCM-N)|
AU- <INVENTORS> CHU E; LAI T|
NC- 001|
NP- 001|
PN- US 5508653 A 19960416 US 93129990 A 19930929 199621 B
<AN> US 94320438 A 19941007|
AN- <LOCAL> US 93129990 A 19930929; US 94320438 A 19941007|
AN- <PR> US 94320438 A 19941007; US 93129990 A 19930929|
FD- US 5508653 A H03K-019/0175 CIP of application US 93129990|
LA- US 5508653(9)|
AB- <BASIC> US 5508653 A
The multi-voltage circuit includes core circuitry driven by a power supply voltage equal to the voltage of a selected external device operating in **connection** with the semiconductor **chip**, and having input/output circuitry in selected regions for operating in connection with external devices having the same operating voltage and other external devices having a selected lower operating voltage. **Peripheral** input/output circuit regions of at least first and second kinds are established for interfacing with the respective high and low voltage external devices.

The input/output circuitry, for interfacing with external devices operating at a particular voltage level, is concentrated at a particular **peripheral** region in the periphery of the semiconductor chip. Multiple regions of input/output circuitry may be established for external devices at the same voltage level. These multiple regions may be configured by the system designer to operate with any combination of high voltage and low voltage external devices.

USE/ADVANTAGE - E.g. for portable computers such as lap-top, palm-top or pen-based computers. Low power consumption, while avoiding use of **level** shifters and attaining higher operating speeds.

Dwg.2/4|

DE- <TITLE TERMS> MULTI; VOLTAGE; CIRCUIT; SINGLE; SEMICONDUCTOR; CHIP; TWO ; SET; INPUT; OUTPUT; CIRCUIT; COMMUNICATE; CORE; CIRCUIT; POWER; VOLTAGE; LEVEL|
DC- T01; U21|
IC- <MAIN> H03K-019/0175|
IC- <ADDITIONAL> G05F-001/00|
MC- <EPI> T01-C07D; U21-C02|
FS- EPI||

16/4/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 1993-111311/199314|
DX- <RELATED> 1999-001589|
XR- <XRPX> N93-084775|
TI- **Printer** with density switching arrangement coupled to computer - controls printing according to print data defining quality mode by supplying installed instructions to toner replenishment section|

PA- FUJITSU LTD (FUIT)|
AU- <INVENTORS> AKUTA T; HOUKI Y; KOMURO A; OHBA H; TONOMOTO Y; YANAGITA K|
NC- 005|
NP- 010|
PN- EP 536050 A2 19930407 EP 92402686 A 19921002 199314 B|
PN- US 5355200 A 19941011 US 92956868 A 19921002 199440|
PN- EP 536050 A3 19950712 EP 92402686 A 19921002 199612|
PN- US 5546170 A 19960813 US 92956868 A 19921002 199638|
 <AN> US 94262872 A 19940621|
PN- JP 10278349 A 19981020 JP 91256291 A 19911003 199901|
 <AN> JP 98109578 A 19911003|
PN- EP 536050 B1 19990825 EP 92402686 A 19921002 199939|
 <AN> EP 98202569 A 19921002|
PN- DE 69229850 E 19990930 DE 629850 A 19921002 199946|
 <AN> EP 92402686 A 19921002|
PN- JP 2001188445 A 20010710 JP 98109578 A 19911003 200154 N|
 <AN> JP 2000368084 A 19911003|
PN- JP 3276333 B2 20020422 JP 91256291 A 19911003 200234|
 <AN> JP 98109578 A 19911003|
PN- JP 3348089 B2 20021120 JP 98109578 A 19911003 200282 N|
 <AN> JP 2000368084 A 19911003|
AN- <LOCAL> EP 92402686 A 19921002; US 92956868 A 19921002; EP 92402686 A 19921002; US 92956868 A 19921002; US 94262872 A 19940621; JP 91256291 A 19911003; JP 98109578 A 19911003; EP 92402686 A 19921002; EP 98202569 A 19921002; DE 629850 A 19921002; EP 92402686 A 19921002; JP 98109578 A 19911003; JP 2000368084 A 19911003; JP 91256291 A 19911003; JP 98109578 A 19911003; JP 98109578 A 19911003; JP 2000368084 A 19911003|
AN- <PR> JP 91256291 A 19911003; JP 98109578 A 19911003; JP 2000368084 A 19911003|
CT- No-SR.Pub; 5.Jnl.Ref; EP 432476; JP 1257978; JP 61025161; JP 62106481; JP 63085661; US 4522481; US 4962394|
FD- EP 536050 A2 G03G-015/00
 <DS> (Regional): DE FR GB
FD- US 5546170 A G03G-015/06 Div ex application US 92956868
 Div ex patent US 5355200
FD- JP 10278349 A B41J-002/52 Div ex application JP 91256291
FD- EP 536050 B1 G03G-015/00 Related to application EP 98202569
 Related to patent EP 881548
 <DS> (Regional): DE FR GB
FD- DE 69229850 E G03G-015/00 Based on patent EP 536050
FD- JP 2001188445 A G03G-021/00 Div ex application JP 98109578
FD- JP 3276333 B2 G03G-021/00 Div ex application JP 91256291
 Previous Publ. patent JP 10278349
FD- JP 3348089 B2 G03G-021/00 Div ex application JP 98109578
 Previous Publ. patent JP 2001188445|
LA- EP 536050(E<PG> 24); US 5355200(22); US 5546170(22); JP 10278349(14); EP 536050(E); JP 2001188445(13); JP 3276333(14); JP 3348089(13)|
DS- <REGIONAL> DE; FR; GB|
AB- <BASIC> EP 536050 A
 The **printer** operates in accordance with data from a control section (20) selecting either one of print density modes including at least a normal mode with print quality being relatively emphasised. An economy mode is provided in which operating costs are relatively emphasised in accordance with normal/economy instructions to control print density. The **printer** is installed with the instructions for selecting either mode.
 The print mechanism comprises an image carrier (10) and a latent image forming section (11, 12) to form the latent image onto the image carrier and a developing part (13) has a toner replenishing section (14) to develop the image, the developing part being controlled in the normal mode by a toner density detector (134).|

USE/ADVANTAGE - Heat transfer and **ink jet printers** e.g. for use with electrophotographic copier or facsimile unit. Operator's attention becomes unnecessary and reduces consumables.

Dwg.2/13|

AB- <US> US 5546170 A

An image forming apparatus **connected** to a host **computer** issuing a normal mode instruction and an economy mode instruction to the image forming apparatus, comprising:

an image forming mechanism for forming an image by applying toner particles onto a medium; and

a print controller responsive to the normal mode instruction and the economy mode instruction issued from the host computer, said print controller controlling a toner **consumption level** at a first level in forming the image by said image forming mechanism when the normal mode instruction is received and controlling the toner **consuming level** at a second level lower than the first level when the economy mode instruction is received.

Dwg.2/13

US 5355200 A

A print mechanism prints in accordance with print data. The **printer** also includes a print controller which controls the print mechanism.

The **printer** is provided with a mode of operation selector for selecting between a normal mode of operation in which the print quality is relatively emphasised and an economy mode of operation in which operating costs are relatively emphasised. The print controller controls the print density at a first level when the normal mode of operation has been selected and at a second reduced level when the economy mode of operation has been selected.

USE/ADVANTAGE - Is capable of automatically determining the optimum print density according to a normal mode with emphasis placed on print quality and to an economy mode with emphasis placed on operating costs, and thus decreasing the print consumables.

Dwg.1/13b|

DE- <TITLE TERMS> PRINT; DENSITY; SWITCH; ARRANGE; COUPLE; COMPUTER; CONTROL; PRINT; ACCORD; PRINT; DATA; DEFINE; QUALITY; MODE; SUPPLY; INSTALLATION; INSTRUCTION; TONER; REPLENISH; SECTION|

DE- <ADDITIONAL WORDS> electrophotographic; heat; transfer; ink; jet; facsimile|

DC- P75; P84; S06; T04; W02|

IC- <MAIN> B41J-002/52 ; G03G-015/00; G03G-015/06; G03G-021/00|

IC- <ADDITIONAL> B41J-002/44 ; G03G-015/04; G03G-015/08|

MC- <EPI> S06-A04A2; S06-A14A; S06-A14B; S06-A14C; T04-G02 ; T04-G03C ; T04-G04 ; T04-G10A ; W02-J02B1; W02-J02B2; W02-J02B3; W02-J03A3; W02-J03A7|

FS- EPI; EngPI||

16/4/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 1992-425398/199252|

XR- <XRPX> N92-324573|

TI- Bus link control for programme-controlled data communication system - allows information for **peripheral** group to be handled in order of priority|

PA- SIEMENS AG (SIEI)|

AU- <INVENTORS> LEIMKOETTER U|

NC- 013|
NP- 007|
PN- EP 519106 A1 19921223 EP 91110182 A 19910620 199252 B|
PN- FI 9202858 A 19921221 FI 922858 A 19920618 199312|
PN- ZA 9204526 A 19930224 ZA 924526 A 19920619 199316|
PN- EP 519106 B1 19960605 EP 91110182 A 19910620 199627|
PN- DE 59107895 G 19960711 DE 507895 A 19910620 199633|
<AN> EP 91110182 A 19910620|
PN- IE 76474 B 19971022 IE 921973 A 19920701 199750|
PN- FI 113434 B1 20040415 FI 922858 A 19920618 200426|
AN- <LOCAL> EP 91110182 A 19910620; FI 922858 A 19920618; ZA 924526 A
19920619; EP 91110182 A 19910620; DE 507895 A 19910620; EP 91110182 A
19910620; IE 921973 A 19920701; FI 922858 A 19920618|
AN- <PR> EP 91110182 A 19910620|
CT- 03Jnl.Ref; DE 3941349|
FD- EP 519106 A1 H04Q-011/04
<DS> (Regional): AT BE CH DE FR GB IT LI LU NL|
FD- EP 519106 B1 H04Q-011/04
<DS> (Regional): AT BE CH DE FR GB IT LI LU NL|
FD- DE 59107895 G H04Q-011/04 Based on patent EP 519106|
FD- FI 113434 B1 H04Q-003/545 Previous Publ. patent FI 9202858|
LA- EP 519106(G<PG> 13); ZA 9204526(22); EP 519106(G<PG> 13)|
DS- <REGIONAL> AT; BE; CH; DE; FR; GB; IT; LI; LU; NL|
AB- <BASIC> EP 519106 A
The bus link control provides a data communication link between a central processor (CP) and at least one **peripheral** group (ABG) using a bus structure comprising a signal bus, a data bus and an address bus. The central processor contains a process list defining the processing priority of the information handled by the **peripheral** group.

The specific signalising information for the latter is held temporarily in a corresponding system memory (SSP) of the central processor to allow the necessary system outputs to be processed prior to the uncritical timing system outputs.

USE - High **level** data link control.

Dwg.1/5|

AB- <EP> EP 519106 B
Control of a bus **connection** in a **program** -controlled communications installation (K) or switching equipment between a central processor (CP) and at least one access module (ABH), the access modules (ABG) connected to a common bus (HDLC) being connected via a module control (PNC) to a bus structure (signal bus, data bus, address bus) of a central processor (CP) used for controlling the communications installation (K), characterised in that the processing of an item of access-module-specific signalling information (1) present at the access modules (ABG) via a link processing program module (PMSA) equipped with high priority (PR) is noted as ready to run in a process list (PL) of the central processor (C), in which arrangement in the link processing programmodule (PMSA), distinguishing between necessary system tasks (NS) and time-uncritical system tasks (ZUS) detects within a processing cycle (BZY) an access -module-specific signalling information item (1) which is present as a necessary system task, and stores the signalling information temporarily in a system memory (SSP), allocated to the access modules (ABG), of the central processor (CP), then processes the necessary system tasks (NSZS) ordered in a first time slice (ZS1) in a time interval pattern (ZR) and then initiates cyclic time-uncritical system tasks (ZUS) in accordance with account (Z) of a clock counter (T) controlled by interrupt control in the background.

(Dwg.1/5|

DE- <TITLE TERMS> BUS; LINK; CONTROL; PROGRAMME; CONTROL; DATA; COMMUNICATE ; SYSTEM; ALLOW; INFORMATION; **PERIPHERAL** ; GROUP; HANDLE; ORDER;

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PRIORITY|
DC- T01; W01|
IC- <MAIN> H04Q-000/00; H04Q-003/545; H04Q-011/04|
IC- <ADDITIONAL> H04M-003/42|
MC- <EPI> T01-H05A; T01-H05B2; W01-A06E; W01-A07F|
FS- EPI||
?

? t17/4/all

17/4/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 2004-364178/200434|

XR- <XRPX> N04-291314|

TI- Processor-readable medium for color **printer**, has instructions to project color cartridge failure mechanism, and select between faster printing and reduced risk of color cartridge wear-out where cartridge wear-out is projected|

PA- BURKES T A (BURK-I); FOLKNER S R (FOLK-I); SMITH D E (SMIT-I); TYSON B B (TYSO-I)|

AU- <INVENTORS> BURKES T A; FOLKNER S R; SMITH D E; TYSON B B|

NC- 001|

NP- 001|

PN- US 20040075855 A1 20040422 US 2002272074 A 20021016 200434 B|

AN- <LOCAL> US 2002272074 A 20021016|

AN- <PR> US 2002272074 A 20021016|

LA- US 20040075855(13)|

AB- <PN> US 20040075855 A1|

AB- <NV> NOVELTY - The medium has instructions for evaluating a wear level and a **consumable use level** of a color cartridge, and projecting a color cartridge failure mechanism based on the wear and **consumable use levels**. The mechanism is projected to be either color cartridge wear-out or consumable exhaustion. Selection is made between faster printing and a reduced risk of color cartridge wear-out, where color cartridge wear-out is projected.|

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a **printer**.

USE - Used for managing consumable wear in a color **printer** (claimed).

ADVANTAGE - The consumable wear in the color **printer** is effectively managed to improve the print quality of the cartridge before exhaustion of the supply of consumables within the cartridge, thus allowing a user to receive the rated page output for the cartridge.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a **printer** mode switching module contained within **firmware** within the **printer**.

Printer mode switching decision module (114)

Risk factor evaluation module (202)

Switching module (204)

Risk level classification module (302)

Color cartridge wear-out criteria (304)

pp; 13 DwgNo 3/7|

DE- <TITLE TERMS> PROCESSOR; READ; MEDIUM; COLOUR; PRINT; INSTRUCTION; PROJECT; COLOUR; CARTRIDGE; FAIL; MECHANISM; SELECT; FAST; PRINT; REDUCE; RISK; COLOUR; CARTRIDGE; WEAR; CARTRIDGE; WEAR; PROJECT|

DC- P84; T01; T04|

IC- <MAIN> G06F-003/12|

IC- <ADDITIONAL> G03G-015/00; G03G-015/01; G03G-015/08; G06F-013/00; G06F-015/00|

MC- <EPI> T01-C05A; T01-J05A2D; T01-S03; T04-G02 ; T04-G07 |

FS- EPI; EngPI||

17/4/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 1996-208891/199621|

XR- <XRPX> N96-174866|

TI- Multi-voltage circuit on single semiconductor chip - has two sets of input-output circuitry in communication with core circuitry, and powered at different voltage levels|

PA- ACC MICROELECTRONICS CORP (ACCM-N)|

AU- <INVENTORS> CHU E; LAI T|

NC- 001|

NP- 001|

PN- US 5508653 A 19960416 US 93129990 A 19930929 199621 B
<AN> US 94320438 A 19941007|

AN- <LOCAL> US 93129990 A 19930929; US 94320438 A 19941007|

AN- <PR> US 94320438 A 19941007; US 93129990 A 19930929|

FD- US 5508653 A H03K-019/0175 CIP of application US 93129990|

LA- US 5508653(9)|

AB- <BASIC> US 5508653 A

The multi-voltage circuit includes core circuitry driven by a power supply voltage equal to the voltage of a selected external device operating in connection with the semiconductor chip, and having input/output circuitry in selected regions for operating in connection with external devices having the same operating voltage and other external devices having a selected lower operating voltage. Peripheral input/output circuit regions of at least first and second kinds are established for interfacing with the respective high and low voltage external devices.

The input/output circuitry, for interfacing with external devices operating at a particular voltage level, is concentrated at a particular peripheral region in the periphery of the semiconductor chip. Multiple regions of input/output circuitry may be established for external devices at the same voltage level. These multiple regions may be configured by the system designer to operate with any combination of high voltage and low voltage external devices.

USE/ADVANTAGE - E.g. for portable computers such as lap-top, palm-top or pen-based computers. Low power consumption, while avoiding use of level shifters and attaining higher operating speeds.

Dwg.2/4|

DE- <TITLE TERMS> MULTI; VOLTAGE; CIRCUIT; SINGLE; SEMICONDUCTOR; CHIP; TWO ; SET; INPUT; OUTPUT; CIRCUIT; COMMUNICATE; CORE; CIRCUIT; POWER; VOLTAGE; LEVEL|

DC- T01; U21|

IC- <MAIN> H03K-019/0175|

IC- <ADDITIONAL> G05F-001/00|

MC- <EPI> T01-C07D; U21-C02|

FS- EPI||

17/4/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 1993-111311/199314|

DX- <RELATED> 1999-001589|

XR- <XRPX> N93-084775|

TI- Printer with density switching arrangement coupled to computer - controls printing according to print data defining quality mode by supplying installed instructions to toner replenishment section|

PA- FUJITSU LTD (FUIT)|
AU- <INVENTORS> AKUTA T; HOUKI Y; KOMURO A; OHBA H; TONOMOTO Y; YANAGITA K|
NC- 005|
NP- 010|
PN- EP 536050 A2 19930407 EP 92402686 A 19921002 199314 B|
PN- US 5355200 A 19941011 US 92956868 A 19921002 199440|
PN- EP 536050 A3 19950712 EP 92402686 A 19921002 199612|
PN- US 5546170 A 19960813 US 92956868 A 19921002 199638|
 <AN> US 94262872 A 19940621|
PN- JP 10278349 A 19981020 JP 91256291 A 19911003 199901|
 <AN> JP 98109578 A 19911003|
PN- EP 536050 B1 19990825 EP 92402686 A 19921002 199939|
 <AN> EP 98202569 A 19921002|
PN- DE 69229850 E 19990930 DE 629850 A 19921002 199946|
 <AN> EP 92402686 A 19921002|
PN- JP 2001188445 A 20010710 JP 98109578 A 19911003 200154 N|
 <AN> JP 2000368084 A 19911003|
PN- JP 3276333 B2 20020422 JP 91256291 A 19911003 200234|
 <AN> JP 98109578 A 19911003|
PN- JP 3348089 B2 20021120 JP 98109578 A 19911003 200282 N|
 <AN> JP 2000368084 A 19911003|
AN- <LOCAL> EP 92402686 A 19921002; US 92956868 A 19921002; EP 92402686 A 19921002; US 92956868 A 19921002; US 94262872 A 19940621; JP 91256291 A 19911003; JP 98109578 A 19911003; EP 92402686 A 19921002; EP 98202569 A 19921002; DE 629850 A 19921002; EP 92402686 A 19921002; JP 98109578 A 19911003; JP 2000368084 A 19911003; JP 91256291 A 19911003; JP 98109578 A 19911003; JP 98109578 A 19911003; JP 2000368084 A 19911003|
AN- <PR> JP 91256291 A 19911003; JP 98109578 A 19911003; JP 2000368084 A 19911003|
CT- No-SR.Pub; 5.Jnl.Ref; EP 432476; JP 1257978; JP 61025161; JP 62106481; JP 63085661; US 4522481; US 4962394|
FD- EP 536050 A2 G03G-015/00
 <DS> (Regional): DE FR GB
FD- US 5546170 A G03G-015/06 Div ex application US 92956868
 Div ex patent US 5355200
FD- JP 10278349 A B41J-002/52 Div ex application JP 91256291
FD- EP 536050 B1 G03G-015/00 Related to application EP 98202569
 Related to patent EP 881548
 <DS> (Regional): DE FR GB
FD- DE 69229850 E G03G-015/00 Based on patent EP 536050
FD- JP 2001188445 A G03G-021/00 Div ex application JP 98109578
FD- JP 3276333 B2 G03G-021/00 Div ex application JP 91256291
 Previous Publ. patent JP 10278349
FD- JP 3348089 B2 G03G-021/00 Div ex application JP 98109578
 Previous Publ. patent JP 2001188445|
LA- EP 536050(E<PG> 24); US 5355200(22); US 5546170(22); JP 10278349(14); EP 536050(E); JP 2001188445(13); JP 3276333(14); JP 3348089(13)|
DS- <REGIONAL> DE; FR; GB|
AB- <BASIC> EP 536050 A
 The **printer** operates in accordance with data from a control section (20) selecting either one of print density modes including at least a normal mode with print quality being relatively emphasised. An economy mode is provided in which operating costs are relatively emphasised in accordance with normal/economy instructions to control print density. The **printer** is installed with the instructions for selecting either mode.
 The print mechanism comprises an image carrier (10) and a latent image forming section (11, 12) to form the latent image onto the image carrier and a developing part (13) has a toner replenishing section (14) to develop the image, the developing part being controlled in the normal mode by a toner density detector (134).|

USE/ADVANTAGE - Heat transfer and **ink jet printers** e.g. for use with electrophotographic copier or facsimile unit. Operator's attention becomes unnecessary and reduces consumables.

Dwg.2/13|

AB- <US> US 5546170 A

An image forming apparatus **connected** to a host **computer** issuing a normal mode instruction and an economy mode instruction to the image forming apparatus, comprising:

an image forming mechanism for forming an image by applying toner particles onto a medium; and

a print controller responsive to the normal mode instruction and the economy mode instruction issued from the host computer, said print controller controlling a toner **consumption level** at a first level in forming the image by said image forming mechanism when the normal mode instruction is received and controlling the toner **consuming level** at a second level lower than the first level when the economy mode instruction is received.

Dwg.2/13

US 5355200 A

A print mechanism prints in accordance with print data. The **printer** also includes a print controller which controls the print mechanism.

The **printer** is provided with a mode of operation selector for selecting between a normal mode of operation in which the print quality is relatively emphasised and an economy mode of operation in which operating costs are relatively emphasised. The print controller controls the print density at a first level when the normal mode of operation has been selected and at a second reduced level when the economy mode of operation has been selected.

USE/ADVANTAGE - Is capable of automatically determining the optimum print density according to a normal mode with emphasis placed on print quality and to an economy mode with emphasis placed on operating costs, and thus decreasing the print consumables.

Dwg.1/13b|

DE- <TITLE TERMS> PRINT; DENSITY; SWITCH; ARRANGE; COUPLE; COMPUTER; CONTROL; PRINT; ACCORD; PRINT; DATA; DEFINE; QUALITY; MODE; SUPPLY; INSTALLATION; INSTRUCTION; TONER; REPLENISH; SECTION|

DE- <ADDITIONAL WORDS> electrophotographic; heat; transfer; ink; jet; facsimile|

DC- P75; P84; S06; T04; W02|

IC- <MAIN> B41J-002/52 ; G03G-015/00; G03G-015/06; G03G-021/00|

IC- <ADDITIONAL> B41J-002/44 ; G03G-015/04; G03G-015/08|

MC- <EPI> S06-A04A2; S06-A14A; S06-A14B; S06-A14C; T04-G02 ; T04-G03C ; T04-G04 ; T04-G10A ; W02-J02B1; W02-J02B2; W02-J02B3; W02-J03A3; W02-J03A7|

FS- EPI; EngPI||

17/4/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 1992-425398/199252|

XR- <XRXPX> N92-324573|

TI- Bus link control for programme-controlled data communication system - allows information for **peripheral** group to be handled in order of priority|

PA- SIEMENS AG (SIEI)|

AU- <INVENTORS> LEIMKOETTER U|

NC- 013|
NP- 007|
PN- EP 519106 A1 19921223 EP 91110182 A 19910620 199252 B|
PN- FI 9202858 A 19921221 FI 922858 A 19920618 199312|
PN- ZA 9204526 A 19930224 ZA 924526 A 19920619 199316|
PN- EP 519106 B1 19960605 EP 91110182 A 19910620 199627|
PN- DE 59107895 G 19960711 DE 507895 A 19910620 199633|
<AN> EP 91110182 A 19910620|
PN- IE 76474 B 19971022 IE 921973 A 19920701 199750|
PN- FI 113434 B1 20040415 FI 922858 A 19920618 200426|
AN- <LOCAL> EP 91110182 A 19910620; FI 922858 A 19920618; ZA 924526 A 19920619; EP 91110182 A 19910620; DE 507895 A 19910620; EP 91110182 A 19910620; IE 921973 A 19920701; FI 922858 A 19920618|
AN- <PR> EP 91110182 A 19910620|
CT- 03Jnl.Ref; DE 3941349|
FD- EP 519106 A1 H04Q-011/04|
<DS> (Regional): AT BE CH DE FR GB IT LI LU NL|
FD- EP 519106 B1 H04Q-011/04|
<DS> (Regional): AT BE CH DE FR GB IT LI LU NL|
FD- DE 59107895 G H04Q-011/04 Based on patent EP 519106|
FD- FI 113434 B1 H04Q-003/545 Previous Publ. patent FI 9202858|
LA- EP 519106(G<PG> 13); ZA 9204526(22); EP 519106(G<PG> 13)|
DS- <REGIONAL> AT; BE; CH; DE; FR; GB; IT; LI; LU; NL|
AB- <BASIC> EP 519106 A

The bus link control provides a data communication link between a central processor (CP) and at least one **peripheral** group (ABG) using a bus structure comprising a signal bus, a data bus and an address bus. The central processor contains a process list defining the processing priority of the information handled by the **peripheral** group.

The specific signalising information for the latter is held temporarily in a corresponding system memory (SSP) of the central processor to allow the necessary system outputs to be processed prior to the uncritical timing system outputs.

USE - High level data link control.

Dwg.1/51

AB- <EP> EP 519106 B

Control of a bus **connection** in a **program** -controlled communications installation (K) or switching equipment between a central processor (CP) and at least one access module (ABH), the access modules (ABG) connected to a common bus (HDLC) being connected via a module control (PNC) to a bus structure (signal bus, data bus, address bus) of a central processor (CP) used for controlling the communications installation (K), characterised in that the processing of an item of access-module-specific signalling information (1) present at the access modules (ABG) via a link processing program module (PMSA) equipped with high priority (PR) is noted as ready to run in a process list (PL) of the central processor (C), in which arrangement in the link processing programmodule (PMSA), distinguishing between necessary system tasks (NS) and time-uncritical system tasks (ZUS) detects within a processing cycle (BZY) an access -module-specific signalling information item (1) which is present as a necessary system task, and stores the signalling information temporarily in a system memory (SSP), allocated to the access modules (ABG), of the central processor (CP), then processes the necessary system tasks (NSZS) ordered in a first time slice (ZS1) in a time interval pattern (ZR) and then initiates cyclic time-uncritical system tasks (ZUS) in accordance with account (Z) of a clock counter (T) controlled by interrupt control in the background.

(Dwg.1/51

DE- <TITLE TERMS> BUS; LINK; CONTROL; PROGRAMME; CONTROL; DATA; COMMUNICATE ; SYSTEM; ALLOW; INFORMATION; **PERIPHERAL** ; GROUP; HANDLE; ORDER;

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PRIORITY|
DC- T01; W01|
IC- <MAIN> H04Q-000/00; H04Q-003/545; H04Q-011/04|
IC- <ADDITIONAL> H04M-003/42|
MC- <EPI> T01-H05A; T01-H05B2; W01-A06E; W01-A07F|
FS- EPI||
?

? t24/4/all

24/4/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 2004-602928/200458|

XR- <XRPX> N04-476888|

TI- Adaptive data transmission method e.g. for graphical data, involves adopting specific format and **functionality level** of data using information about data access and display software of data access device|

PA- CLEMENS I K (CLEM-I); UNIVERSAL MAP ENTERPRISES INC (UVMA-N)|

AU- <INVENTORS> CLEMENS I K|

NC- 108|

NP- 002|

PN- US 20040148292 A1 20040729 US 2003352317 A 20030127 200458 B|

PN- WO 200468723 A2 20040812 WO 2004US1715 A 20040123 200458|

AN- <LOCAL> US 2003352317 A 20030127; WO 2004US1715 A 20040123|

AN- <PR> US 2003352317 A 20030127|

FD- WO 200468723 A2 H04B-000/00

<DS> (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

<DS> (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

|

LA- US 20040148292(7); WO 200468723(E)|

DS- <NATIONAL> AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW|

DS- <REGIONAL> AT; BE; BG; BW; CH; CY; CZ; DE; DK; EA; EE; ES; FI; FR; GB; GH; GM; GR; HU; IE; IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; RO; SD; SE; SI; SK; SL; SZ; TR; TZ; UG; ZM; ZW|

AB- <PN> US 20040148292 A1|

AB- <NV> NOVELTY - The information corresponding to a data access and display software of data access device (C1-C5) is determined. The specific format like vector format, raster format and **functionality level** of data are adopted using determined information to produce adapted **data** and **transmit** adapted **data** to the data access device.

|

AB- <BASIC> USE - For transmission of adaptive data such as graphical data e.g. images and maps between server and data access device e.g. cellular phone, personal digital assistant (PDA), personal computer, mobile computer and handheld devices.

ADVANTAGE - Eliminates the need to continuously go back to the server for accessing new files efficiently and provides adaptive data on display screen with different resolutions.

DESCRIPTION OF DRAWING(S) - DESCRIPTION OF DRAWING - The figure shows the block diagram of the adaptive data transmission system.

data access device (C1-C5)

pp; 7 DwgNo 1/2|

AB- <TF> TECHNOLOGY FOCUS - INDUSTRIAL STANDARDS - The vector format of data conforms to scalable vector graphics standard.|

DE- <TITLE TERMS> ADAPT; DATA; TRANSMISSION; METHOD; GRAPHICAL; DATA; ADOPT; SPECIFIC; FORMAT; FUNCTION; LEVEL; DATA; INFORMATION; DATA; ACCESS;

DISPLAY; SOFTWARE; DATA; ACCESS; DEVICE|
DC- T01|
IC- <MAIN> G06F-017/00; H04B-000/00|
MC- <EPI> T01-J10E; T01-N01D1B|
FS- EPI||

24/4/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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IM- *Image available*
AA- 2004-580117/200456|
XR- <XRPX> N04-458625|
TI- Mobile communications network for providing wireless access to user, has user equipment spontaneously integrating identifier indicating user equipment version within non-access stratum signaling message transmitted to network|
PA- ANTTALAINEN P (ANTT-I); PASANEN J (PASA-I); NOKIA CORP (OYNO)|
AU- <INVENTORS> ANTTALAINEN P; PASANEN J|
NC- 108|
NP- 002|
PN- US 20040147242 A1 20040729 US 2003443198 P 20030129 200456 B
<AN> US 2003462820 A 20030617|
PN- WO 200468885 A1 20040812 WO 2004FI40 A 20040128 200456|
AN- <LOCAL> US 2003443198 P 20030129; US 2003462820 A 20030617; WO 2004FI40
A 20040128|
AN- <PR> US 2003443198 P 20030129; US 2003462820 A 20030617|
FD- US 20040147242 A1 H04Q-007/20 Provisional application US 2003443198
FD- WO 200468885 A1 H04Q-007/38
<DS> (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ
OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ
VC VN YU ZA ZM ZW
<DS> (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR
HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
|
LA- US 20040147242(9); WO 200468885(E)|
DS- <NATIONAL> AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG
PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN
YU ZA ZM ZW|
DS- <REGIONAL> AT; BE; BG; BW; CH; CY; CZ; DE; DK; EA; EE; ES; FI; FR; GB;
GH; GM; GR; HU; IE; IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; RO; SD; SE;
SI; SK; SL; SZ; TR; TZ; UG; ZM; ZW|
AB- <PN> US 20040147242 A1|
AB- <NV> NOVELTY - The network has user equipments (170) and a core network (150). A user equipment version corresponds to user equipment functionality set that corresponds to the group of user equipments. The equipment spontaneously integrates an identifier that indicates a related equipment version within a non-access stratum signaling message sent from the equipment to the network. The network extracts the identifier from the message.|
AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of managing user equipment version information in a mobile communications network.
USE - Used as an access network for providing a user with a wireless access to an external network, host, service offered by specific service providers.

ADVANTAGE - The user equipment version is delivered along with the signaling message, thereby optimally implementing an action for which temporal requirement is anticipated and hence implementing correct specific behavior related to the user equipment in the network right from the start of the implementation. Therefore, critical period in the beginning of the network operations is eliminated without causing an unnecessary permanent load to the telecommunication system. The network avoids the imminent problems due to the invalid information on the user equipment **functionality levels** in the universal mobile telecommunication system (UMTS) terrestrial radio access network, by allowing early delivery of the user specific behavior information from the core network to the UMTS terrestrial radio access network.

DESCRIPTION OF DRAWING(S) - DESCRIPTION OF DRAWING - The drawing shows an overall UMTS protocol architecture.

UMTS terrestrial radio access network (100)
Core network (150)
User equipment (170)
Broad band SS7 protocols (320)
RAN application part (321)
pp; 9 DwgNo 3/61

DE- <TITLE TERMS> MOBILE; COMMUNICATE; NETWORK; WIRELESS; ACCESS; USER; USER; EQUIPMENT; SPONTANEOUS; INTEGRATE; IDENTIFY; INDICATE; USER; EQUIPMENT; VERSION; NON; ACCESS; STRATUM; MESSAGE; TRANSMIT; NETWORK|
DC- W01; W02|
IC- <MAIN> H04Q-007/20; H04Q-007/38|
MC- <EPI> W01-A06E; W01-B05A1A; W01-C02A7; W02-C03C1A; W02-C03C1G|
FS- EPI||

24/4/3 (Item 3 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2002-528081/200256|
XR- <XRPX> N02-418083|
TI- TDMA based wireless communication system has controller which determines optimum data rate and content format, based on proximity and **functionality level information** for **communicating content**|
PA- MOTOROLA INC (MOTI)|
AU- <INVENTORS> O'CARROLL F M; OCARROLL F M|
NC- 098|
NP- 008|
PN- WO 200247362 A2 20020613 WO 2001US50923 A 20011029 200256 B1|
PN- AU 200241750 A 20020618 AU 200241750 A 20011029 200262|
PN- EP 1332628 A2 20030806 EP 2001988443 A 20011029 200353|
<AN> WO 2001US50923 A 20011029|
PN- KR 2003048093 A 20030618 KR 2003705945 A 20030429 200369|
PN- US 6714794 B1 20040330 US 2000697951 A 20001030 200423|
PN- JP 2004515973 W 20040527 WO 2001US50923 A 20011029 200435|
<AN> JP 2002548961 A 20011029|
PN- MX 2003003755 A1 20040501 WO 2001US50923 A 20011029 200482|
<AN> MX 20033755 A 20030428|
PN- CN 1535540 A 20041006 CN 2001817551 A 20011029 200506|
AN- <LOCAL> WO 2001US50923 A 20011029; AU 200241750 A 20011029; EP 2001988443 A 20011029; WO 2001US50923 A 20011029; KR 2003705945 A 20030429; US 2000697951 A 20001030; WO 2001US50923 A 20011029; JP 2002548961 A 20011029; WO 2001US50923 A 20011029; MX 20033755 A 20030428; CN 2001817551 A 20011029|
AN- <PR> US 2000697951 A 20001030|
FD- WO 200247362 A2 H04M-000/00

<DS> (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
<DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
FD- AU 200241750 A H04M-000/00 Based on patent WO 200247362
FD- EP 1332628 A2 H04Q-007/20 Based on patent WO 200247362
<DS> (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR
FD- JP 2004515973 W H04L-012/28 Based on patent WO 200247362
FD- MX 2003003755 A1 G06F-017/30 Based on patent WO 200247362
LA- WO 200247362(E<PG> 24); EP 1332628(E); JP 2004515973(38)|
DS- <NATIONAL> AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW|
DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; SD; SE; SL; SZ; TR; TZ; UG; ZW; AL; LI; LT; LV; MK; RO; SI|
AB- <PN> WO 200247362 A2|
AB- <NV> NOVELTY - A controller determines the optimum data rate and optimum content format, based on the proximity and **functionality level information** associated with a **communication** device. A transmitter transmits the content based on determination result.|
AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) Communication device; and
(2) Content communication method.
USE - TDMA based wireless communication system.
ADVANTAGE - Allows communication devices to receive content in some format, regardless of functionality or proximity, thereby providing optimum user experience regardless of device capability or position. Optimizes the air time by increasing probability of message reception without errors.
DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining the TDMA based wireless communication method.
pp; 24 DwgNo 9/9|
AB- <TF> TECHNOLOGY FOCUS - INDUSTRIAL STANDARDS - The digital and analog advanced mobile phone services are defined by IS-136.|
DE- <TITLE TERMS> TDMA; BASED; WIRELESS; COMMUNICATE; SYSTEM; CONTROL; DETERMINE; OPTIMUM; DATA; RATE; CONTENT; FORMAT; BASED; PROXIMITY; FUNCTION; LEVEL; INFORMATION; COMMUNICATE; CONTENT|
DC- W01; W02|
IC- <MAIN> G06F-017/30; H04L-012/28; H04M-000/00; H04Q-004/20; H04Q-007/20; H04Q-007/38|
IC- <ADDITIONAL> G06F-013/00; H04B-007/26; H04Q-007/34|
MC- <EPI> W01-B05A1A; W01-C05B3J; W02-C03C1A; W02-K02|
FS- EPI||
;

24/4/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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IM- *Image available*
AA- 2001-357101/200138|
XR- <XRPX> N01-259449|
TI- Configuration of functional characteristics of audio-instrument, especially of electronic hearing aid - loading configuration upgrade information during production on separate data carrier, or distributing

it on-line, and billing instrument at price dependent on kind and amount of contained configuration upgrade information|
PA- SIEMENS AUDIOLOGISCHE TECH GMBH (SIEI) ; SIEMENS AG (SIEI)|
AU- <INVENTORS> MUELLER S|
NC- 002|
NP- 003|
PN- DE 19949604 A1 20010531 DE 199049604 A 19991014 200138 B|
PN- US 6658307 B1 20031202 US 2000686888 A 20001012 200379|
PN- DE 19949604 B4 20040722 DE 199049604 A 19991014 200448|
AN- <LOCAL> DE 199049604 A 19991014; US 2000686888 A 20001012; DE 199049604
A 19991014|
AN- <PR> DE 199049604 A 19991014|
LA- DE 19949604(4)|
AB- <BASIC> DE 19949604 A

The method involves providing the instrument with an IC which can be differently configured with respect to its functional characteristics, and providing a configuration upgrade information in a suitable data memory. The IC of the instrument is configured during production, in such way, that the instrument comprises in a base version solely the least possible characteristics, and the instrument is sold at a basic price, especially to resellers.

The configuration upgrade information is loaded during production on a separate data carrier which is sold, especially to resellers, at a price dependent on the kind and amount of the contained configuration upgrade information. The configuration upgrade **information** may be **transmitted** in an on-line operation from a software memory of the maker to a temporary memory of a programming station of the reseller. The IC is entered in the programming station, and is upgraded to a customised higher **functionality level**. A selection information is, if necessary, read and stored on the data carrier, in such way, that the entire, or part of the contained software package, can not be read a further time, and be programmed into the IC. The upgraded instrument is distributed and billed according to the additional functional characteristics.

ADVANTAGE - Enables simple configuration according to needs of user, and simplifies corresponding administration and billing.

Dwg.1/1|

DE- <TITLE TERMS> CONFIGURATION; FUNCTION; CHARACTERISTIC; AUDIO;
INSTRUMENT; ELECTRONIC; HEARING; AID; LOAD; CONFIGURATION; UPGRADING;
INFORMATION; PRODUCE; SEPARATE; DATA; CARRY; DISTRIBUTE; LINE; BILL;
INSTRUMENT; PRICE; DEPEND; KIND; AMOUNT; CONTAIN; CONFIGURATION;
UPGRADING; INFORMATION|
DC- P31; T01; T04; W01; W04|
IC- <MAIN> G05B-019/42; H04R-025/00|
IC- <ADDITIONAL> A61B-005/12|
MC- <EPI> T01-H01B3A; T04-K02; W01-A03B; W01-A06G2; W04-Y; W04-Y03C5;
W04-Y05A|
FS- EPI; EngPI||

24/4/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 1999-357946/199930|
XR- <XRPX> N99-266489|
TI- Data migration system e.g. for telecommunications network|
PA- TELEFONAKTIEBOLAGET ERICSSON L M (TELF)|
AU- <INVENTORS> BUGNON J; COULOMBE B; COULOMBE M; GLITHO R; SUGIRTHARAJ D|
NC- 082|

NP- 008|
PN- WO 9927734 A1 19990603 WO 98SE1965 A 19981030 199930 B|
PN- AU 9911817 A 19990615 AU 9911817 A 19981030 199944|
PN- US 6115463 A 20000905 US 97975632 A 19971121 200044|
PN- GB 2349778 A 20001108 WO 98SE1965 A 19981030 200058|
 <AN> GB 200015120 A 20000620|
PN- DE 19882829 T 20010322 DE 1082829 A 19981030 200117|
 <AN> WO 98SE1965 A 19981030|
PN- CN 1279870 A 20010110 CN 98811407 A 19981030 200128|
PN- MX 2000004756 A1 20010201 MX 20004756 A 20000516 200168|
PN- GB 2349778 B 20021127 WO 98SE1965 A 19981030 200303|
 <AN> GB 200015120 A 20000620|
AN- <LOCAL> WO 98SE1965 A 19981030; AU 9911817 A 19981030; US 97975632 A 19971121; WO 98SE1965 A 19981030; GB 200015120 A 20000620; DE 1082829 A 19981030; WO 98SE1965 A 19981030; CN 98811407 A 19981030; MX 20004756 A 20000516; WO 98SE1965 A 19981030; GB 200015120 A 20000620|
AN- <PR> US 97975632 A 19971121|
FD- WO 9927734 A1 H04Q-007/38|
 <DS> (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LS LT LU LV
 MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG
 UZ VN YU ZW|
 <DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS
 LU MC MW NL OA PT SD SE SZ UG ZW|
FD- AU 9911817 A Based on patent WO 9927734|
FD- GB 2349778 A H04Q-007/38 Based on patent WO 9927734|
FD- DE 19882829 T H04Q-007/38 Based on patent WO 9927734|
FD- GB 2349778 B H04Q-007/38 Based on patent WO 9927734|
LA- WO 9927734 (E<PG> 20)|
DS- <NATIONAL> AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI
 GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LS LT LU LV MD MG
 MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN
 YU ZW|
DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE;
 IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SZ; UG; ZW|
AB- <PN> WO 9927734 A1|
AB- <NV> NOVELTY - The system has two database nodes to store
 telecommunications related data. A common channel signaling system link
 of the telecommunications network connects the two database nodes. A
 data administrator generates a command issued to the first database
 node to extract certain telecommunications related data and format the
 extracted **data** for **communication** over the common channel signaling
 system link towards the second database node. The first home location
 register verifies with the second home location register prior to
 execution of the command a common channel signaling **functionality**
 level of the second home location register to support the **data**
 communication. |
AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a
 method for telecommunications related data migration.
 USE - For telecommunications network.
 ADVANTAGE - Provides more accurate and efficient, and automated
 scheme for migration of subscriber data among and between two home
 location registers.
 DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a
 portion of a telecommunications network implementing an embodiment of
 the invention subscriber data migration scheme.
 pp; 20 DwgNo 2/61|
DE- <TITLE TERMS> DATA; MIGRATION; SYSTEM; TELECOMMUNICATION; NETWORK|
DC- W01; W02|
IC- <MAIN> H04B-001/00; H04Q-007/38|
MC- <EPI> W01-B05A1A; W01-C02A7A; W01-C03; W01-C05B5E; W02-C03C1|

FS- EPI||

24/4/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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AA- 1995-312713/199541|

XR- <XRAM> C95-139218|

TI- Low colour bisphenol(s) prodn., used in fibres and transparent sheet mfr. - by reaction of phenol with acetone in the presence of hydrogen form strong acid cation and weak base anion exchange resins|

PA- LUNDQUIST E G (LUND-I); ROHM & HAAS CO (ROHM)|

AU- <INVENTORS> BIGWOOD M P; LUNDQUIST E G|

NC- 012|

NP- 013|

PN- EP 671376 A1 19950913 EP 95300969 A 19950215 199541 B|

PN- US 5475154 A 19951212 US 94209574 A 19940310 199604

PN- CA 2143910 A 19950911 CA 2143910 A 19950303 199606

PN- JP 8003089 A 19960109 JP 9578495 A 19950310 199610

PN- CN 1111230 A 19951108 CN 95102209 A 19950310 199736

PN- HU 71629 T 19960129 HU 95727 A 19950310 199738

PN- EP 671376 B1 19970910 EP 95300969 A 19950215 199741

PN- DE 69500662 E 19971016 DE 95600662 A 19950215 199747

<AN> EP 95300969 A 19950215

PN- HU 214286 B 19980302 HU 95727 A 19950310 199821

PN- RO 112847 B1 19980130 RO 482 A 19950309 199832

PN- TW 390874 A 20000521 TW 95102133 A 19950307 200064

PN- KR 378534 B 20030906 KR 954873 A 19950310 200412

PN- CN 1066131 C 20010523 CN 95102209 A 19950310 200501|

AN- <LOCAL> EP 95300969 A 19950215; US 94209574 A 19940310; CA 2143910 A 19950303; JP 9578495 A 19950310; CN 95102209 A 19950310; HU 95727 A 19950310; EP 95300969 A 19950215; DE 95600662 A 19950215; EP 95300969 A 19950215; HU 95727 A 19950310; RO 482 A 19950309; TW 95102133 A 19950307; KR 954873 A 19950310; CN 95102209 A 19950310|

AN- <PR> US 94209574 A 19940310|

CT- EP 1863; EP 329075; US 4766254; EP 1683|

FD- EP 671376 A1 C07C-037/20

<DS> (Regional): DE FR GB IT

FD- EP 671376 B1 C07C-037/20

<DS> (Regional): DE FR GB IT

FD- DE 69500662 E C07C-037/20 Based on patent EP 671376

FD- HU 214286 B C07C-037/20 Previous Publ. patent HU 71629

FD- KR 378534 B C07C-037/00 Previous Publ. patent KR 95032040|

LA- EP 671376(E<PG> 7); US 5475154(5); JP 8003089(6); EP 671376(E<PG> 7)|

DS- <REGIONAL> DE; FR; GB; IT|

AB- <BASIC> EP 671376 A

Low colour bisphenols prodn., comprising elevated temp. reaction of phenol with an aliphatic aldehyde or ketone, in the presence of an H-form strong-acid cation exchange resin catalyst and 0.5-15 wt.% (based on cation resin) of a weak-base anion exchange resin. Also claimed is low colour bisphenol-A prodn..

Pref. the aliphatic aldehyde or ketone is a ketone having two 1-4C alkyl gps., pref. acetone or methyl ethyl ketone. The weak-base anion exchange resin is in the form of gel or macroporous beads which are 10mum - 2mm (pref. 20mum - 1mm) in dia.; esp. are anion-exchange functionalised, crosslinked polymer beads prep'd. from a monomer mixt. contg. 1-20 wt.% (based on monomers) of one or more crosslinking monomer; and partic. are styrenic copolymer beads or acrylic polymer beads, or are phenolic anion exchange resin beads. The weak-base resin has a weak-base **functionality level** of 0.1-5 milliequivs. per gram

of dry resin. The amt. of cation resin is 10-200 wt.% of the total liq. and the amt. of weak-base resin is 1-10 wt.%, pref. 3-8 wt.% of the cation resin. The reaction for prodn. of bisphenol is pref. at 60-80deg.C.

USE - Bisphenol-A is used in the mfr. of, e.g. fibres and transparent sheet for glazing. Undesired by-prods. cause colour which may be carried through into the mfd. prods. and impurities, e.g. sulphonic acid residues, cause decompsn. during distn..

ADVANTAGE - The process gives **low** colour bisphenols (e.g. APHA colour = 6) directly from the condensation reaction.

Dwg.0/0|

AB- <EP> EP 671376 B

A method for producing bisphenols having **low** colour, which comprises reacting phenol with an aliphatic aldehyde or ketone at an elevated temperature, in the presence of a catalytic amount of strong-acid cation exchange resin in the hydrogen form, and from 0.5% to 15% by weight, based on the weight of the cation exchange resin, of a weak-base anion exchange resin.

Dwg.0/0|

AB- <US> US 5475154 A

Producing bisphenol having **low** colour comprises reacting phenol with an aliphatic aldehyde or ketone at an elevated temp., in the presence of a catalytic amt. of strong-acid cation exchange resin in the hydrogen form, and from about 0.5% to about 15% by wt., based on the wt. of the cation exchange resin which is a crosslinked, synthetic polymer of a monoethylenically unsaturated monomer, functionalised with a prim. or sec. amine functional gp., of a weak-base anion exchange resin.

(Dwg.0/0|

DE- <TITLE TERMS> **LOW** ; COLOUR; BISPHENOL; PRODUCE; FIBRE; TRANSPARENT; SHEET; MANUFACTURE; REACT; PHENOL; ACETONE; PRESENCE; HYDROGEN; FORM; STRONG; ACID; CATION; WEAK; BASE; ANION; EXCHANGE; RESIN|

DC- A41; E14; F01|

IC- <MAIN> C07C-037/00; C07C-037/20; C07C-039/12; C07C-039/16|

IC- <ADDITIONAL> B01J-031/08; B01J-031/10; C07B-061/00; C07C-037/68|

MC- <CPI> A01-E13; A12-M; A12-W11K; E10-E02D4; F01-D|

FS- CPI||

?

? t28/4/all

28/4/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 2004-764723/200475|

XR- <XRPX> N04-603190|

TI- Image processor for high output imaging device e.g. printer, has set of video pipelines corresponding to overall rate of color pulse data consumption and ability of each video pipeline to produce data|

PA- HEWLETT-PACKARD DEV CO LP (HEWP); HOOVER R P (HOOV-I); LARSON B R (LARS-I)|

AU- <INVENTORS> HOOVER R P; LARSON B R|

NC- 002|

NP- 002|

PN- US 20040202383 A1 20041014 US 2003413275 A 20030414 200475 B|

PN- DE 102004001238 A1 20041111 DE 102004001238 A 20040107 200475|

AN- <LOCAL> US 2003413275 A 20030414; DE 102004001238 A 20040107|

AN- <PR> US 2003413275 A 20030414|

LA- US 20040202383(9)|

AB- <PN> US 20040202383 A1|

AB- <NV> NOVELTY - The processor has a set of video pipelines (202), each configured to receive data associated with a portion of an image and to output color pulse data. A buffer (208) stores the color pulse data, and data **reorder** logic (210) reads data from the buffer and **sends** the **data** to video units (212). The number of pipelines corresponds to the overall rate of pulse data consumption and the ability of each pipeline to produce data.|

AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (A) an imaging device
- (B) a method of processing an image
- (C) a processor-readable medium comprising processor- executable instructions for processing an image.

USE - Used in a high output imaging device (claimed) e.g. a printer, multifunctional peripheral, fax machine, network copier, and display screen.

ADVANTAGE - The video pipelines correspond to the overall rate of pulse data consumption and the ability of each pipeline to produce data. The number of video pipelines thus need not be the same as the number of video units, reducing the implementation cost of the pipelines and the processor.

DESCRIPTION OF DRAWING(S) - The drawing shows an implementation of an image processor.

Video pipelines (202)

Buffer (208)

Data **reorder** logic (210)

Video units (212)

Laser beam (216)

pp; 9 DwgNo 2/5|

DE- <TITLE TERMS> IMAGE; PROCESSOR; HIGH; OUTPUT; IMAGE; DEVICE; PRINT; SET ; VIDEO; PIPE; CORRESPOND; OVERALL; RATE; COLOUR; PULSE; DATA; CONSUME; ABILITY; VIDEO; PIPE; PRODUCE; DATA|

DC- S06; T01; T04; W02|

IC- <MAIN> G06K-009/54; G06T-001/20|

MC- <EPI> S06-A11A; S06-A14E; T01-C05A1; T01-H03A; T01-J10B; T01-M02C2; T01-N02A3C; T01-S03; T04-G07 ; T04-G10E ; W02-J04; W02-J07; W02-J08|

FS- EPI||

28/4/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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IM- *Image available*
AA- 2004-148185/200415|
XR- <XRPX> N04-117913|
TI- Recorder e.g. printer, releases closing unit that holds cover, after moving carriage to position determined according to kind of error that occurred in recorder|
PA- CANON KK (CANO)|
NC- 001|
NP- 001|
PN- JP 2004009530 A 20040115 JP 2002166037 A 20020606 200415 B|
AN- <LOCAL> JP 2002166037 A 20020606|
AN- <PR> JP 2002166037 A 20020606|
LA- JP 2004009530(22)|
AB- <PN> JP 2004009530 A|
AB- <NV> NOVELTY - A closing unit holds cover in a closing state, during operation of recorder. A detector detects need of opening cover, during occurrence of error in recorder or instruction from user. A controller moves the carriage to a position corresponding to determinator that determines kind of error based on detection signal. The closing unit is released, after carriage movement completion.|
AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for cover opening/closing control method.
 USE - Recorder e.g. printer, facsimile.
 ADVANTAGE - Enables easy **maintenance** and quick operation of cover that protects recorder, when error occurs in the **reorder** .
 DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining the error detection operation. (Drawing includes non-English language text).
 pp; 22 DwgNo 9/13|
DE- <TITLE TERMS> RECORD; PRINT; RELEASE; CLOSE; UNIT; HOLD; COVER; AFTER; MOVE; CARRIAGE; POSITION; DETERMINE; ACCORD; KIND; ERROR; OCCUR; RECORD |
DC- P75; S06; T04; W02|
IC- <MAIN> B41J-029/46 |
IC- <ADDITIONAL> B41J-002/01 ; B41J-029/13 |
MC- <EPI> S06-A12; T04-G06A ; W02-J05A|
FS- EPI; EngPI||

28/4/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2003-363434/200334|
XR- <XRPX> N03-290229|
TI- Hardcopy output engine supply management e.g. to ensure printers, photocopiers, etc. do not run out of paper, toner, etc. by automatically sending **re - order** e-mail when toner or paper level is **low** |
PA- HEWLETT-PACKARD CO (HEWP) ; HAINES R E (HAIN-I) ; HARPER M A (HARP-I) |
AU- <INVENTORS> HAINES R E; HARPER M A|
NC- 102|
NP- 004|
PN- WO 200332228 A2 20030417 WO 2002US31927 A 20021004 200334 B|

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PN- US 20030074268 A1 20030417 US 2001976642 A 20011011 200340
PN- EP 1438686 A2 20040721 EP 2002776161 A 20021004 200447
<AN> WO 2002US31927 A 20021004
PN- AU 2002341999 A1 20030422 AU 2002341999 A 20021004 200460|
AN- <LOCAL> WO 2002US31927 A 20021004; US 2001976642 A 20011011; EP
2002776161 A 20021004; WO 2002US31927 A 20021004; AU 2002341999 A
20021004|
AN- <PR> US 2001976642 A 20011011|
FD- WO 200332228 A2 G06F-017/60
<DS> (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT
RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
<DS> (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE
IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
FD- EP 1438686 A2 G06F-017/60 Based on patent WO 200332228
<DS> (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI
LT LU LV MC MK NL PT RO SE SI SK TR
FD- AU 2002341999 A1 G06F-017/60 Based on patent WO 200332228|
LA- WO 200332228 (E<PG> 20); EP 1438686 (E)|
DS- <NATIONAL> AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU
SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW|
DS- <REGIONAL> AT; BE; BG; CH; CY; CZ; DE; DK; EA; EE; ES; FI; FR; GB; GH;
GM; GR; IE; IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; SD; SE; SK; SL; SZ;
TR; TZ; UG; ZM; ZW; AL; LI; LT; LV; MK; RO; SI|
AB- <PN> WO 200332228 A2|
AB- <NV> NOVELTY - Involves a processor (20) within a edge device (14)
determining that an amount of a consumable associated with the edge
device has decreased below a set threshold. An email is transmitted, in
response to this determination, from the edge device to order
additional supplies of the consumable.|
AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a
computer implemented control system.
USE - For managing e.g. the supply of paper, toner, etc. in hard
copy output devices e.g. printers, photocopiers, facsimile machines,
etc.
ADVANTAGE - Enables more efficient automated control and management
of consumables in computer system.
DESCRIPTION OF DRAWING(S) - The drawing shows a schematic diagram
of the system used to implement the method.
Edge device (14)
Processor (20)
pp; 20 DwgNo 1/7|
DE- <TITLE TERMS> OUTPUT; ENGINE; SUPPLY; MANAGEMENT; ENSURE; PRINT;
PHOTOCOPY; RUN; PAPER; TONER; AUTOMATIC; SEND; ORDER; MAIL; TONER;
PAPER; LEVEL; LOW |
DC- T01; T04|
IC- <MAIN> G06F-017/60|
MC- <EPI> T01-C05A; T01-J05A; T01-N01C; T04-G06 ; T04-G10A |
FS- EPI||

28/4/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2002-665220/200271|
XR- <XRPX> N02-526228|

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TI- Consumable **reordering** system for networked peripherals e.g. printer, fax, copier using a device event detector, event qualifier and database to **reorder** consumables|
PA- HEWLETT-PACKARD CO (HEWP); BAUMUNK M B (BAUM-I); GOETTEMOELLER J (GOET-I); HAINES R E (HAIN-I); HARPER M A (HARP-I); HINRICHES K (HINR-I); WHALEY S (WHAL-I)|
AU- <INVENTORS> BAUMUNK M B; GOETTEMOELLER J; HAINES R E; HARPER M A; HINRICHES K; WHALEY S|
NC- 002|
NP- 002|
PN- US 20020072998 A1 20020613 US 2000733472 A 20001208 200271 B|
PN- DE 10159875 A1 20020627 DE 1059875 A 20011206 200271|
AN- <LOCAL> US 2000733472 A 20001208; DE 1059875 A 20011206|
AN- <PR> US 2000733472 A 20001208|
LA- US 20020072998(23)|
AB- <PN> US 20020072998 A1|
AB- <NV> NOVELTY - The device discovery unit (50) detects devices connected to the network and the device configuration unit (52) configures the device within the network .The device event unit (56) and legacy device polling unit (54) detect peripheral device problems and forward them to the event qualifier (60) which determines if a **reorder** or **maintenance** call is required. **Alerts** are issued by email (64) and via the web interface (66).|
AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for
(1) a consumable **reordering** computer program.
(2) a method of **reordering** consumables.
USE - For automatically **reordering** consumables such as paper, toner, toner supply cartridges, ink and ink reservoirs for network peripherals such as photocopiers, facsimile machines, printers and multiple function peripherals (MFP).
ADVANTAGE - The system increases the efficiency of ordering multiple unique consumables for multiple unique peripheral devices within a network and reduces device downtime.
DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the ordering system.
device discovery unit (50)
device configuration unit (52)
legacy device polling unit (54)
device event unit (56)
event qualifier (60)
email **alerts** (64)
web interface (66)
PP; 23 DwgNo 2/10|
DE- <TITLE TERMS> CONSUME; SYSTEM; PERIPHERAL; PRINT; FACSIMILE; COPY;
DEVICE; EVENT; DETECT; EVENT; QUALIFY; DATABASE; CONSUME|
DC- T01; T04; T05; W05|
IC- <MAIN> G06F-017/60|
MC- <EPI> T01-N01A2A; T01-N02B2B; T01-S03; T04-G02F ; T04-G10E ; T05-L01D
; T05-L02; W05-D07E; W05-D08E|
FS- EPI||

28/4/5 (Item 5 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2002-607211/200265|
XR- <XRPX> N02-480822|
TI- **Reorder** assistance **notification** method for hard copy output engine,

detects status of hard copy output engine, displays corresponding status, and transmits e-mail including status|
PA- HEWLETT-PACKARD CO (HEWP) ; HAINES R E (HAIN-I)|
AU- <INVENTORS> HAINES R E|
NC- 002|
NP- 003|
PN- US 20020071133 A1 20020613 US 2000733453 A 20001208 200265 B|
PN- GB 2374958 A 20021030 GB 200129185 A 20011205 200276
PN- GB 2374958 B 20050202 GB 200129185 A 20011205 200510|
AN- <LOCAL> US 2000733453 A 20001208; GB 200129185 A 20011205; GB 200129185
A 20011205|
AN- <PR> US 2000733453 A 20001208|
LA- US 20020071133(10)|
AB- <PN> US 20020071133 A1|
AB- <NV> NOVELTY - A status of a hard copy output engine is detected. A graphical user interface (GUI) for providing assistance in ordering user consumables or services corresponding to detected status, also includes options for deferment of ordering action, dismissal of GUI, inhibiting any further display of GUI. An e-mail including information
describing the status is transmitted.|
AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
 (1) Article of manufacture comprising storage medium storing
 reorder assistance **notification** **program** ; and
 (2) Computer implemented control system for hard copy output
 engine.
 USE - For **reordering** consumables in hard copy output engines such
 as printer, copier, facsimile.
 ADVANTAGE - As the status of hard copy output engine is detected
 accurately, effective and timely ordering of consumables and preventive
 maintenance are possible.
 DESCRIPTION OF DRAWING(S) - The figure shows the flowchart
 explaining the **reorder** assistance **notification** method.
 pp; 10 DwgNo 3/4|
DE- <TITLE TERMS> ASSIST; **NOTIFICATION** ; METHOD; HARD; COPY; OUTPUT;
ENGINE; DETECT; STATUS; HARD; COPY; OUTPUT; ENGINE; DISPLAY; CORRESPOND
; STATUS; TRANSMIT; MAIL; STATUS|
DC- S06; T01; T04; W02|
IC- <MAIN> G06F-017/60; G06K-015/02 |
IC- <ADDITIONAL> G06F-013/00|
MC- <EPI> S06-A14A; S06-A14B; S06-A14C; T01-J08A; T04-G10A ; W02-J03A4;
W02-J03A5|
FS- EPI||

28/4/6 (Item 6 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2001-034028/200105|
XR- <XRPX> N01-026656|
TI- Office machine, such as laser printer or copier, has circuits for
detecting **consumable** **levels** , e.g. toner, and automatic **re** -
ordering when a threshold level has been exceeded via a communications
network|
PA- SAGEM SA (SAGE)|
AU- <INVENTORS> BROT M|
NC- 001|

NP- 001|
PN- FR 2793443 A1 20001117 FR 995992 A 19990511 200105 B|
AN- <LOCAL> FR 995992 A 19990511|
AN- <PR> FR 995992 A 19990511|
LA- FR 2793443(9)|
AB- <PN> FR 2793443 A1|
AB- <NV> NOVELTY - Machine or printer has circuits (2-5, 19) for determination of the consumption of a consumable such as toner in a laser copier or printer and connection circuits (18) for connection to a transmission network (20) for ordering **replacement** product when a threshold level has been exceeded.|
AB- <BASIC> USE - Automatic ordering of toner etc. when a threshold level has been exceeded. Communication network examples are Internet, GSM, RTC 20.
ADVANTAGE - The invention prevents a copier or printer from running out of toner etc. by automatic ordering of **replacement** product when a **re-order** level is reached.
DESCRIPTION OF DRAWING(S) - Figure shows a schematic block diagram of a laser printer according to the invention.
toner cartridges (12-15)
circuits for sensing toner levels (2-5, 19)
processor (11)
connection circuit (18)
transmission network. (20)
pp; 9 DwgNo 1/1|
DE- <TITLE TERMS> OFFICE; MACHINE; LASER; PRINT; COPY; CIRCUIT; DETECT; CONSUME; LEVEL; TONER; AUTOMATIC; ORDER; THRESHOLD; LEVEL; COMMUNICATE; NETWORK|
DC- P75; S06; T04|
IC- <MAIN> B41L-039/04|
MC- <EPI> S06-A04A1; S06-A14C; T04-G04 ; T04-G10 |
FS- EPI; EngPI||

28/4/7 (Item 7 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 1997-274603/199725|
XR- <XRPX> N97-227437|
TI- Compression method for screened image data for printing - generating data by tiling image with multi-pixel cells, and re-scanning pixels in one cell if necessary to obtain better compression, with compression being performed in selected lossy or loss-less path|
PA- TEXAS INSTR INC (TEXI)|
AU- <INVENTORS> VENKATESWAR V|
NC- 011|
NP- 008|
PN- EP 774858 A2 19970521 EP 96118523 A 19961119 199725 B|
PN- CA 2190306 A 19970521 CA 2190306 A 19961114 199738|
PN- JP 9284564 A 19971031 JP 96308411 A 19961119 199803|
PN- TW 317686 A 19971011 TW 97102313 A 19970226 199807|
PN- KR 97028910 A 19970624 KR 9655304 A 19961119 199826|
PN- SG 48491 A1 19980417 SG 9611327 A 19961116 199828|
PN- CN 1159694 A 19970917 CN 96118507 A 19961119 200143|
PN- KR 396719 B 20040429 KR 9655304 A 19961119 200457|
AN- <LOCAL> EP 96118523 A 19961119; CA 2190306 A 19961114; JP 96308411 A 19961119; TW 97102313 A 19970226; KR 9655304 A 19961119; SG 9611327 A 19961116; CN 96118507 A 19961119; KR 9655304 A 19961119|
AN- <PR> US 956965 P 19951120|

CT- No-SR.Pub|

FD- EP 774858 A2 H04N-001/41

<DS> (Regional): DE FR GB IT NL

FD- KR 396719 B G03G-015/22 Previous Publ. patent KR 97028910|

LA- EP 774858(E<PG> 7); JP 9284564(7)|

DS- <REGIONAL> DE; FR; GB; IT; NL|

AB- <BASIC> EP 774858 A

The method for compressing screened image data involves re-scanning the image data based on the relationships between pixels. The re-scanning is based on pixel locations in a cell relative to the centre of that cell or based on a prestored **re-order**. Image data of a predetermined content is received and a selection is made between two alternate paths for compression based on the image data content.

The image data in the selected data path is compressed, and is then encoded. The processed data is then stored, and is sent to an exposure module.

USE/ADVANTAGE - E.g. for electrophotographic printing. Requires less memory than **full** frame buffer system. Allows for necessary bandwidth for communication between processor and exposure module.

Dwg.3/4|

DE- <TITLE TERMS> COMPRESS; METHOD; SCREEN; IMAGE; DATA; PRINT; GENERATE; DATA; TILE; IMAGE; MULTI; PIXEL; CELL; SCAN; PIXEL; ONE; CELL; NECESSARY; OBTAIN; COMPRESS; COMPRESS; PERFORMANCE; SELECT; LOSS; LOSS; LESS; PATH|

DC- P74; P75; P84; T01; T04; W02|

IC- <MAIN> B41B-019/00; G03G-015/22; H04N-001/21; H04N-001/41|

IC- <ADDITIONAL> B41B-023/00; B41J-002/52 ; G06K-009/36; H04N-001/23|

MC- <EPI> T01-J10D; T04-G04 ; T04-G10 ; W02-J02B2; W02-J03A2; W02-J03B1|

FS- EPI; EngPI||

?

DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 589

...for a new device platform. Either one of the backplanes supports up to four IGNITE **peripheral** modules such as Processor (IPM), Network (INM), Serial communication (ISM) and Memory (IMM). A wireless...

...slave processors in dual architecture gateways. PTSC's vxPresso software suite and Sun Microsystems' Java **Embedded** **Server** (TM) 2.0 provide the entire software infrastructure required. Bundled with the offering are two...

...either registered trademarks or trademarks of Microsoft Corp. in the United States & other countries. Java **Embedded Server**, Sun and Sun Microsystems are trademarks or registered trademarks of Sun Microsystems Inc. in the...

...INDUSTRY NAMES: DATA COMMUNICATIONS ;

33/3, K/82 (Item 4 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00536701 20010612163B7007 (USE FORMAT 7 FOR FULLTEXT)
Force Announces Faster 'Universal-Mode' SPARC SBC for Packet-Switching Backplane Applications-CPCI-550 Single Board Computer Offers I/O Flexibility, Scalability for Wide Range of CompactPCI Telecom/Data Comm Applications,...

Business Wire
Tuesday, June 12, 2001 10:21 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 868

TEXT:

...Backplane applications. It provides an ideal solution for third-generation wireless, IP telephony, high-density **embedded** **servers** for Internet data centers and other demanding telecom/data comm applications in need of advanced...

...Four USB and two Wide Ultra3 SCSI (LVD) interfaces

- One PCI mezzanine card (PMC) slot
- **Full** Hot Swap specification compliance (PICMG 2.1, R2.0)
- PICMG 2.9-compliant IPMI controller...

...memory buffers allow data transfers across the CompactPCI bus without interruptions that can slow performance. **Full** Hot Swap support enables the creation of zero-downtime, High Availability solutions and allows SBC...

...With universal-mode capability, SENTINEL chip-based SBCs can operate in either the system or peripheral slots of a CompactPCI system. SENTINEL chip-equipped SBCs are targeted at applications in telecommunications, data communications, semiconductor test equipment, mass storage systems and high-end graphics applications such as radar.

6...

...INDUSTRY NAMES: DATA COMMUNICATIONS ;

33/3,K/83 (Item 5 from file: 610)
DIALOG(R) File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00509479 20010430120B9312 (USE FORMAT 7 FOR FULLTEXT)
Force Announces First 'Universal-Mode' Pentium III Processor-Based Single Board Computers-CPCI-735/736 Platforms Leverage Award-Winning SENTINEL PCI-to-PCI Bridge Technology for System or Peripheral Slot Functionality, Support PICMG 2.16
Business Wire
Monday, April 30, 2001 08:02 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 837

... 735/736 Platforms Leverage Award-Winning SENTINEL PCI-to-PCI Bridge Technology for System or Peripheral Slot Functionality, Support PICMG 2.16

TEXT:

...CPCI-735 and CPCI-736 SBCs offer flexibility for implementation in either the system or peripheral slot of a host platform. These high-performance SBCs are ideal for computer telephony, packet...

...said Jochen Saal, Force product marketing manager. "Force's SENTINEL PPB technology enables system or peripheral slot functionality on one platform -- a capability not available on any other Pentium III processor..."

...CPCI-736 CompactPCI server blade is an ideal building block for implementation in high-density embedded server platforms such as the recently announced Force Centellis CO 21000-12U series of CPSB platforms...

...draft specification, provides an ideal solution for third-generation (3G) wireless, IP Telephony, high-density embedded servers for Internet Data Centers and other demanding telecom/data comm applications in need of advanced...
...to 2Gbytes)

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-- 32MBytes onboard IDE FlashDisk memory (option to 64MBytes)
-- System management functionality (IPMI compliant)
-- **Full** Hot Swap specification compliance (PICMG 2.1, R1.0)

In addition, the CPCI-735 and...

...memory
buffers allow data transfers across the CompactPCI bus without
interruptions
that can slow performance. **Full** Hot-Swap support enables the creation of
zero-downtime High Availability solutions and allows SBC...

...INDUSTRY NAMES: DATA COMMUNICATIONS ;

33/3,K/84 (Item 6 from file: 610)
DIALOG(R) File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00161927 19991222356B0122 (USE FORMAT 7 FOR FULLTEXT)
Procom's DataFORCE Named Product of the Year by Imaging Magazine; Follows
Closely Network Computing's ``Editor's Choice'' Award
Business Wire
Wednesday, December 22, 1999 09:31 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 673

...downloaded to the DataFORCE, saved and backed up. All network attached
devices, from servers to **printers**, should have similar setup tools.
Imagine configuring an entire Windows NT server by copying a...

...performance CD/DVD NAS data appliance,
DataFORCE incorporates Procom's exclusive caching technology and
proprietary **embedded server** appliance operating system. With its
history of technological and volume leadership in the CD server...

...INDUSTRY NAMES: DATA COMMUNICATIONS

33/3,K/85 (Item 7 from file: 610)
DIALOG(R) File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00086839 19990809221B0058 (USE FORMAT 7 FOR FULLTEXT)
Motorola Computer Group Announces New Line of Intel x86 Embedded Server
Platforms with Linux Software
Business Wire
Monday, August 9, 1999 07:49 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 707

**Motorola Computer Group Announces New Line of Intel x86 Embedded Server
Platforms with Linux Software**

TEXT:

...introduced the emS-ATXI the first in MCG's new emS Series of Intel x86

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embedded server platforms integrating the Linux open operating system.

An ATX form factor embedded system, the emS...

...INDUSTRY NAMES: COMPUTER PERIPHERALS ; ...

... DATA COMMUNICATIONS

33/3,K/86 (Item 1 from file: 613)

DIALOG(R)File 613:PR Newswire
(c) 2005 PR Newswire Association Inc. All rts. reserv.

00667022 20011030SFTU046 (USE FORMAT 7 FOR FULLTEXT)

Microsoft Windows CE .NET Demonstrates Wireless Leadership

PR Newswire

Tuesday, October 30, 2001 09:01 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 764

TEXT:

...existing network with a
Bluetooth access point; and support of serial port profile for cable
replacement while connecting to a **printer** or scanner.

"Windows CE .NET in combination with Bluetooth will be one of the most
...

...implementation in Windows CE .NET, Socket can enhance the cordless
connection

experience with mobile phones, **printers**, digital cameras, security
devices,
in-building controllers and other **peripherals**. This qualification
demonstrates

Microsoft's commitment to Bluetooth and positions its real-time operating
system...

...Windows XP Embedded, the
componentized version of the Windows XP operating system; and Windows .NET
Embedded Server, the componentized version of the next-generation
Windows .NET
Server platform.

...INDUSTRY NAMES: DATA COMMUNICATIONS ;

33/3,K/87 (Item 2 from file: 613)

DIALOG(R)File 613:PR Newswire
(c) 2005 PR Newswire Association Inc. All rts. reserv.

00231159 19991213LASUMM (USE FORMAT 7 FOR FULLTEXT)

PR Newswire California Summary, Monday, Dec. 13, 1999 up to 10:00 a.m. PT

PR Newswire

Monday, December 13, 1999 13:30 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 4,338

...pdt

(MOUNTAIN VIEW) PointBase Extends 100% Pure Java Database to Include

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Devices, Internet Appliances, and **Embedded Servers**

HSM007 12/13/1999 06:30 r f bc-CA-V2-Joins-Epitonic
(SAN FRANCISCO...LAM003 12/13/1999 08:10 r f bc-CA-Kingston-Flash
(FOUNTAIN VALLEY) Kingston **Peripheral** Products Division Launches
High-Capacity ATA Flash Cards Ranging up to 512MB

LAM032 12/13...01 r f bc-CA-Toyota-New-Sequoia
(TORRANCE) Toyota to Unveil All-New Sequoia **Full** -Size SUV At 2000
North American International Auto Show
LAM053 12/13/1999 11:01...

33/3,K/88 (Item 3 from file: 613)

DIALOG(R) File 613:PR Newswire
(c) 2005 PR Newswire Association Inc. All rts. reserv.

00122143 19990608HSCPR (USE FORMAT 7 FOR FULLTEXT)
PR Newswire High Technology Summary Tuesday, June 8, 1999
PR Newswire
Tuesday, June 8, 1999 16:15 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 6,256

...Java
(SAN MATEO) PointBase's 100% Pure Java Databases in Compliance With
Sun's
Java Embedded Server

LATU033 06/08/1999 06:02 r v bc-NY-INTERVU's-CEO
(SAN DIEGO...)

...SPOKANE) Output Technology Corp. Teams w/RS Tech Resources to Provide An
Easy-to-Implement **Replacement** for HP2680 Users

SFTU052 06/08/1999 06:02 r f bc-CA-Amdahl-Corp...PHTU005 06/08/1999
08:00 r v bc-PA-Fore-SuperComm-99
(AUSTIN) Media **Alert** : FORE Systems Lights Up the New Public
Network with Demonstrations At SuperComm '99

SFTU029 06...the Heat in June With \$400 Instant
Credit on the New Color Pageworks L Laser **Printer**

NYTU036 06/08/1999 09:14 r f bc-WPP-Group-E-Dyson
(LONDON) WPP...08/1999 09:15 r f bc-IL-CA-SCO-Retail-Sys
(CHICAGO) Retail Systems **Alert** and SCO Present 'Best of Show' Awards
on
the SCO Platform At Retail Systems 1999...Site For Contact Lens
Information

NYTU055 06/08/1999 11:43 r f bc-NY- **Data - Communication**
(MANHASSET) **Data Communications** Ranks Top 25 ISPs for Corporate
Customers

DATU005 06/08/1999 11:44 r f NYTU061 06/08/1999 12:32 r f
bc-NY-Data-Com-Panel
(MANHASSET) **Data Communications** Publisher to Moderate
Interoperability Panel at SUPERCOMM '99
HSTU030 06/08/1999 12:37 r...

...INDUSTRY NAMES: DATA COMMUNICATIONS

33/3,K/89 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

04512327 Supplier Number: 58293359 (USE FORMAT 7 FOR FULLTEXT)
An elegant solution.
Buttner, Christopher; Schwartz, Michael
Sound & Video Contractor, pNA
Nov, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2660

... zones, and flexible enough to satisfy the individual production communications requirements of each venue and **peripheral** support areas. Also, as with all paging systems used partly for emergency purposes, ...one for each MediaMatrix machine.

Data distribution network Paging sources and control
Paging system control **data** is **transmitted** on a separate 10Base-T data network, which is not connected to the CobraNet audio...panels at various locations.

Each stage manager desk interfaces with the paging system via the **embedded server** located in the node rack for each venue. The servers, which run QNX software, are...and the technology involved in the solution,"said Dodds. "We are very pleased with the **results**, and we look **forward** to applying our expertise to other venues with similar complex requirements, both in Australia and...

33/3,K/90 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0915657 BW0141

SUN MICROSYSTEMS: Sun Announces Availability of Java Embedded Server 1.0; Application Server Product Line Extends to Industrial Infrastructure and Consumer Devices

October 01, 1998

Byline: Business Editors/Computer Writers

Sun Announces Availability of Java Embedded Server 1.0; Application Server Product Line Extends to Industrial Infrastructure and Consumer Devices

...WIRE)--Oct. 1, 1998--Sun
Microsystems, Inc. today announced the commercial availability of Java(TM) **Embedded Server**, a small footprint network server that enables real-time deployment and installation of applications to remote embedded devices.

The Java **Embedded Server** is a new addition to Sun's line of application servers, and provides the foundation...
...well suited for
network-enabled metering and measurement equipment, appliances and

communications infrastructure.

"The Java **Embedded Server** enables businesses to leverage their infrastructure and their information systems together as a competitive advantage..."

...enterprises alike extend their business models and take advantage of new market opportunities."

The Java **Embedded Server** resides on networked devices and allows dynamic, secure life-cycle control of the device's...

...ability to be upgraded or re-deployed in new environments. "I believe that the Java **Embedded Server** framework solves what is traditionally a very difficult problem - incrementally adding or upgrading software functionality..."

...network, or one located on the other side of the world. For example, the Java **Embedded Server** could enable a diagnostic and repair service to be loaded into a network device such...

...memory for other purposes.

Certified 100% Pure Java(TM) Widespread Industry Adoption

Because the Java **Embedded Server** is written entirely in the Java programming language, leading industry vendors can integrate Java technology across their products. "Toshiba is very excited about the Java **Embedded Server** and how it expands the ways in which embedded devices can be used," said Kazuyuki Okuyama, General Manager Network-Computing Division, of Toshiba Corporation, "We welcome the Java **Embedded Server** and look forward to seeing it in the market this year."

Java **Embedded Servers** run on the standard Java platform, known as the Java Development Kit (JDK(TM)), as...

...to take advantage of the functionality and performance of these highly-tuned systems. The Java **Embedded Server** is compatible with the newly announced JINI(TM) technology, which allows devices such as servers, **printers**, scanners, etc. to connect into a federated network via a simple Java technology-based plug and play protocol.

Availability

The Java **Embedded Server** is available immediately by calling 888-843-5282. Pricing is \$3,500 for a developer...

...on network installations or deployment and OEM devices are additional. Additional information on the Java **Embedded Server** software can be found at <http://java.sun.com/embeddedserver/>.

About Sun

Since its inception...

...INTERACTIVE/MULTIMEDIA/INTERNET PRODUCT

KEY: SUNFXB

Today's News On The Net - Business Wire's **full** file on the Internet with Hyperlinks to your home page.
URL: <http://www.businesswire.com>

>

...

33/3,K/91 (Item 1 from file: 813)

DIALOG(R) File 813:PR Newswire

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1186920

MNM009

FieldWorks to Enter Emerging Mobile Embedded Server Market

DATE: November 17, 1997 10:01 EST WORD COUNT: 598

FieldWorks to Enter Emerging Mobile Embedded Server Market

... application-specific computing solutions for demanding field environments, today announces entry into the emerging mobile **embedded server** market with the unveiling of two product prototypes at the fall COMDEX computer trade show.

"FieldWorks intends to capture and lead the emerging mobile **embedded server** market," says FieldWorks President Ronald E. Lewis. "Our expertise in application-specific computing solutions that..."

...and customizable perfectly positions us to enter and lead this market."

FieldWorks will target mobile **embedded server** products at applications in field communications and field test and measurement, as well as any...

... in manufacturing, transportation, public safety, utility, agriculture, government/military and other industries.

Typically, in-vehicle **embedded servers** are the brain of a vehicle's communication and data -acquisition systems. Smaller than notebook computers, **embedded servers** fit in a trunk, under a seat or in a glove compartment. User interfaces -- keyboard...

... they communicate with a centralized dispatch center," says Gary Beeman, FieldWorks' CEO.

"The vehicle system **communicates** real-time **information** to the dispatch center; for example, a utility crew might communicate a completed work order. And the center **communicates** real-time **information** to the vehicle system; for example, the utility crew's next and nearest job," Beeman says.

In-vehicle **embedded servers** also perform data acquisition. They "host" **peripheral** technologies that enable data acquisition, like Global Positioning System (GPS) technologies, magnetic-card readers, or...

...vehicle's exact location," Beeman explains. "This saves time and money."

FieldWorks will show the **embedded server** prototypes at its booth, S2877, in the Sands Convention Center. For questions regarding FieldWorks' mobile **embedded server** strategy, please see Dale Szymborski, marketing manager, at FieldWorks booth S2877 or call 612-817...

33/3,K/92 (Item 1 from file: 13)

DIALOG(R)File 13:BAMP

(c) 2005 The Gale Group. All rts. reserv.

1122831 Supplier Number: 01987632 (USE FORMAT 7 OR 9 FOR FULLTEXT)

The Policy Makers: Part 2 of 2

(Vendors are increasingly announcing plans for policy-based networks; article discusses some of the trends and issues involved)

Article Author(s): Saunders, Stephen

Data Communications, v 28, n 7, p 34-56

May 1999

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3406

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...know what the policy is."

That may be true, but it's worth noting that **embedded servers** also need more memory and processors, which drives up prices. In the DATA COMM RFP, the average cost per user for **embedded - server** solutions came in at \$610, while the standalone solutions averaged \$510.

Right about now, network...

...LDAP: Use as Directed," February 1999; www.data.com/issue/990207/ldap.html). But only **embedded - server** vendors are using it, and they say they do so sparingly, for occasional communications with...Institute of Technology (Cambridge, Mass.) also are looking to redesign IP to the same end.

PERIPHERAL VISIONS

Corporate networkers thinking about taking out a policy on their networks also need to consider the so-called policy **peripherals**. Directories are the place to start. A half-dozen vendors use third-party products from...t be said for the spec. Specifically, while the DEN schema defines basic objects like **printers**, routers, and switches, it leaves the format for detailing information about the device up to...

...debunks vendor claims that IP can offer guaranteed QOS. This opinion piece, written exclusively for **DATA COMMUNICATIONS**, explains IP's QOS shortcomings and details how the protocol could be modified to deliver...

33/3,K/93 (Item 2 from file: 13)
DIALOG(R)File 13:BAMP
(c) 2005 The Gale Group. All rts. reserv.

1122830 Supplier Number: 01987629 (USE FORMAT 7 OR 9 FOR FULLTEXT)

The Policy Makers: Part 1 of 2

(Vendors are increasingly announcing plans for policy-based networks; article discusses some of the trends and issues involved)

Article Author(s): Saunders, Stephen

Data Communications, v 28, n 7, p 34-56

May 1999

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3389

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...network and how they're enforced. Next stop on the grand tour: so-called policy **peripherals**. These include directories, DHCP servers, security, and baselining tools. It's also essential to put...switches and routers how to handle different types of traffic in order to meet the **specified QOS levels**. Those devices, in turn, use internal queuing mechanisms to enforce policy and mark traffic so...

...cashed copies must query the standalone server whenever they have a question about policy. The **embedded servers** handle all decisions on their own.

Ginger Roberts DeMille

STEPHEN SAUNDERS is executive editor of *Data Communications*. His e-mail address is saunder@data.com.

DAVID NEWMAN is senior technology editor (testing...

...e-mail address is dnewman@data.com.

ERICA ROBERTS is the former internetworking editor for **Data Communications** .

AN ENGRAVED INVITATION

WHO: DATA COMMUNICATIONS

WHAT: HOSTING AN INTERACTIVE ROUNDTABLE ON POLICY-BASED NETWORKING

WHERE: PLANT IT (WWW.DATA.COM...) costs and-equally important-how it compares with simply throwing more bandwidth at the bottleneck, **DATA COMMUNICATIONS** issued an RFP (request for proposal) to all the policy players. They were asked to...

...powerhouse, Acme Inc.

Vendors were asked to submit two bids. The first was for a low -cost, high-speed switched Ethernet LAN, running mostly at Layer 2. The second was for...

...up-the-capacity approach. In some instances, the difference was even more marked. 3Com's low -cost option costs \$113 a ...rfp.html

Solution 1: . Solution 2:
Low -cost, high-speed, High-speed, policy enabled
mostly at Layer 2 mostly or entirely at...

?

? show files;ds
File 348:EUROPEAN PATENTS 1978-2005/Feb W04
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20050303, UT=20050224
(c) 2005 WIPO/Univentio

Set	Items	Description
S1	122394	(EMBED? OR INTEGRAT? OR BUILT()IN OR BUILTIN OR IMBED? OR - INTEGRAL? OR CONNECT? OR PLUG?()IN? ? OR PLUGIN? ?)(5N) (SERVER OR SERVERS OR SOFTWARE OR PROGRAM OR COMPUTER OR CHIP) OR FI- RMWARE? OR FIRM()WARE?
S2	1802	EMBEDDED()SERVER? ? OR JES OR MBEDTHIS OR HUBTEA OR HUB()T- EA OR ESM NOT JOB()ENTRY()(SUBSYSTEM? OR SYSTEM?)
S3	269994	PRINTER? ? OR PERIPHERAL? ? OR LASERJET OR DESKJET OR INKJ- ET OR (LASER OR DESK OR INK)()JET
S4	239465	FUNCTIONALITY()LEVEL? ? OR (ADJUST? OR CHANG? OR ALTER? OR DYNAMIC? OR VARIAB? OR FLEXIB? OR PROGRAM? OR SPECIF?)(3N) (LE- VEL? ? OR FUNCTION? ? OR FUNCTIONALITY OR STATE OR STATUS OR - STATUS)
S5	6463	(CONSUMPTION OR CONSUM? OR USE OR USAGE)(1W)LEVEL? ?
S6	935902	HALF()EMPTY OR FULL OR LOW
S7	194944	(PUSH? OR SEND? OR TRANSMIT? OR ROUTE? OR ROUTING OR FORWA- RD? OR COMMUNICAT?)(3N) (DATA OR INFORMATION OR RESULT? ?)
S8	76071	(SET? ? OR SETTING OR PROGRAM?)(3N) (NOTIF? OR VERIF? OR WA- RN?) OR WARNING? ? OR NOTIFICATION? ? OR ALERT?
S9	234198	(WHEN OR HOW OR WHAT OR IMPENDING)(1W)REPLACE OR MAINTENAN- CE OR REPLACEMENT OR ALTERNATIVE()PARTS OR ISSUE()URGENCY
S10	282	S2 AND S3 AND (S4:S9)
S11	36	S2(3S)S3(3S)(S4:S9)
S12	19442	IC=(B41J OR G06K-015)
S13	5	S2 AND S12
S14	2874	(S1 OR S2)(3S)S3(3S)S4
S15	1787	S14(3S)(S5:S9)
S16	96	FUNCTIONALITY()LEVEL? ?
S17	42	(REORDER? OR RE()ORDER? OR FULFILLMENT? OR EDI)(3S)S15
S18	2	S16(3S)S17
S19	3	S2 AND S16 AND (REORDER? OR RE()ORDER? OR FULFILLMENT?) AND S3
S20	3	S19 NOT S18
S21	3	S2 AND S16
S22	0	S21 NOT S20

? t13/3,k/all

13/3,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01115575 **Image available**

MODULAR PRINTER

IMPRIMANTE MODULAIRE

Patent Applicant/Inventor:

MONTAGUTELLI Denis, 5, rue Alexandre Fleming, F-49100 Angers, FR, FR
(Residence), FR (Nationality)

Legal Representative:

VERDIER Louis (agent), Cabinet Argos Innovation & Associes, 5 bis, avenue
Gilles, F-94340 Joinville le Pont, FR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200437544 A1 20040506 (WO 0437544)

Application: WO 2003FR2933 20031007 (PCT/WO FR03002933)

Priority Application: FR 200213289 20021019

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: French

Filing Language: French

Fulltext Word Count: 6264

Main International Patent Class: **B41J-029/00**

Fulltext Availability:

Detailed Description

Detailed Description

... roblercvie-, que

Ci G J

c@e,rzhe-u resoudre la prescnte invention, cxtd-%.Aela *.- **Jes** a
ar%r%e%trter aux

fre

ises ;Se res; MIES a -',.eower e@ , les...

13/3,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
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01015952 **Image available**

MATERIAL JET SPRAY HEAD CLEANING

NETTOYAGE DE TETES DE JET DE MATERIE

Patent Applicant/Assignee:

GEMPLUS, Avenue du Pic de Bertagne, Parc d'activites de Gemenos, F-13420
Gemenos, FR, FR (Residence), FR (Nationality), (For all designated
states except: US)

Patent Applicant/Inventor:

AUDE Olivier, 58, avenue des Caillols, Residence Marie-Christine, Bat.

Ginger Roberts DeMille

D16-17, F-13012 Marseille, FR, FR (Residence), FR (Nationality),
(Designated only for: US)

Legal Representative:

MILHARO Emilien (agent), Gemplus, La Vigie, BP90, F-13705 La Ciotat, FR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200345697 A1 20030605 (WO 0345697)

Application: WO 2002FR4086 20021128 (PCT/WO FR0204086)

Priority Application: FR 200115519 20011130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: French

Filing Language: French

Fulltext Word Count: 6621

Main International Patent Class: B41J-002/165

Fulltext Availability:

Claims

Claim

... que les moyens de commande sont
aptes a assurer un cycle de purge durant lequel
les quatriemes moyens de de lac
P ement sont commandes
pour maintenir l'organe absorbant (3...).

13/3, K/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00491586 **Image available**

INK JET PRINTER

IMPRIMANTE A JET D'ENCRE

Patent Applicant/Assignee:

MIT MODULAR INK TECHNOLOGY I STOCKHOLM AB,
DE ROOS Mike,
BOSTRoM Christer,

Inventor(s):

DE ROOS Mike,
BOSTRoM Christer,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9922938 A1 19990514

Application: WO 98SE1962 19981030 (PCT/WO SE9801962)

Priority Application: SE 973983 19971030; SE 982142 19980616

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH
GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE

SN TD TG
Publication Language: English
Fulltext Word Count: 5249

Main International Patent Class: B41J-002/045
Fulltext Availability:
Detailed Description

Detailed Description
ESM JET PRINTER
Technical Field of the Invention
The present invention relates to an ink jet...

13/3,K/4 (Item 4 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00112552 **Image available**
INTEGRATED DEVICE AND METHOD FOR THE ACQUISITION, PROCESSING AND CONTROL,
RELATED TO TRANSACTIONS OF ALL PAYMENT INSTRUMENTS SUCH AS CHEQUES,
MAGNETIC CARDS AND MEMORY CARDS
PROCEDE ET DISPOSITIF INTEGRE DE SAISIE, DE TRAITEMENT ET DE CONTROLE SUR
LE LIEU D'UNE TRANSACTION DE TOUS TITRES DE PAIEMENT TELS QUE CHEQUES,
CARTES MAGNETIQUES ET CARTES A MEMOIRE

Patent Applicant/Assignee:
WIDMER Michel Jean Francois Marie,

Inventor(s):

WIDMER Michel Jean Francois Marie,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8300245 A1 19830120
Application: WO 82FR108 19820625 (PCT/WO FR8200108)
Priority Application: FR 8112669 19810626

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AT AU BE BR CH DE DK FI GB JP LU NL NO SE
Publication Language: French

Fulltext Word Count: 10208

...International Patent Class: B41J-01:50

Fulltext Availability:
Detailed Description

Detailed Description
... dispositif, est. especiie reculierement a un arcanisme
bancaire centralise, charge de la ces-..:Icn % - Jes comDtes, qui
- analyse les informations qt.r',-! contient.
- effectue le transfert des '107.%ds entre...

13/3,K/5 (Item 5 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00108247
MODULAR ELECTRONIC MEASURING AND PRINTING UNIT
UNITE MODULAIRE ET D'IMPRESSION DE MESURE ELECTRONIQUE
Patent Applicant/Assignee:
DOUGLAS A,

HAVERS J,
Inventor(s):

DOUGLAS A,
HAVERS J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8200443 A1 19820218

Application: WO 81US1023 19810730 (PCT/WO US8101023)

Priority Application: US 80174279 19800731

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

DE

Publication Language: English

Fulltext Word Count: 22032

Main International Patent Class: B41J-003/02

Fulltext Availability:

Detailed Description

Detailed Description

... MCLLRTE M LM EFFECT

m- 6i --i857 RDD & M-U ; smmcr DERDLOhD ROM WT

OM ESM --img X-1c ZtEe ; IF RESIJLT WEG LERYE AS COMP

8320 37 --i059 CPL R...

?

? t18/3,k/all

18/3,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND
METHOD THEREOF
GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT
DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB
GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN
YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 171499

Fulltext Availability:

Detailed Description

Detailed Description

... to devices connected via cable access just like they are delivered to
other wire-line **connected** devices on the "New Core".

NGN Creation Strategy

The network transformation plan comprises of the...

18/3,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
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00784124

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST SORTER IN A
TRANSACTION SERVICES PATTERNS ENVIRONMENT
SISTÈME, PROCEDE ET ARTICLE DE FABRICATION APPLIQUES DANS UN TRIEUR DE
REQUETES D'UN ENVIRONNEMENT DE STRUCTURES DE SERVICES DE TRANSACTIONS

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US

Ginger Roberts DeMille

(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th floor,
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116704 A2-A3 20010308 (WO 0116704)

Application: WO 2000US24082 20000831 (PCT/WO US0024082)

Priority Application: US 99386715 19990831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150733

Fulltext Availability:

Detailed Description

Detailed Description

... architecture is that it provides the benefits of a GUI application, but also provides a **level** of integrity and reliability found in mainframe centralized computing. That is, it will evolve to...layer or APIs may be provided to gain either operating system independence or a higher **level** of abstraction for application programmers.

Possible Product Options

Microsoft Windows; Windows 95; Windows NT; Macintosh...

?

? t20/3,k/all

20/3,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00784185 **Image available**
A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISANT UN SYSTEME DE COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037,
Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200117195 A2-A3 20010308 (WO 0117195)

Application: WO 2000US24125 20000831 (PCT/WO US0024125)

Priority Application: US 99386717 19990831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150532

Fulltext Availability:

Detailed Description

Detailed Description

... Only Memory (ROM) 1 1 6, an 1/0 adapter 1 1 8 for connecting peripheral devices such as disk storage units 120 to the bus 112, a user interface adapter...An examples of a Virtual Resource service is the capability to print to a network **printer** as if it were directly attached to a workstation.

2o Fax 1510

Fax Services provide...Reachout

Traveling Software's LapLink

121

Printing 1520

Print services connect network workstations to shared **printers** . The administration of Print Services is usually handled by a print server. Depending on the...

...functions. A primary function of print servers is to queue print jobs sent to network **printers** . The queued jobs are stored in a print buffer

on the print server and are sent to the appropriate network **printer** as it becomes available. Print services can also provide the client with information including print...

...Distributed Print Services (NDPS); Novell's Netware UNIX Print Services; Microsoft; Windows NT Server; Line **Printer** Daemon (LPD)
The following are examples of print server products.

Novell's Netware Distributed Print...

...NetWare 4.1 server which allows NetWare and UNIX clients to share UNDC or Netware **printers** .

Microsoft Windows NT Server - provides central management of print services for NT networks.

Line **Printer** Daemon (LPD) - UNIX print management facilities, which include client and server utilities for spooling print jobs. Related programs include lpr (sends print job to spool) and lp (sends request to **printer**).

122

AudioVideo 1522

Audio/Video services allow nodes to interact with multimedia data streams. These...their physical location. The Directory service also maps between logical resource names (e.g., "Marketing **Printer**") and physical resource address (e.g., 10 15.56). (See Name service, below).

124

Directory...HTTP data transfer standard; used in conjunction with the World Wide Web.

Encryption that is **embedded** in e-mail products
e-mail encryption - products such as Lotus Notes and Microsoft Exchange
...them into the message. The service also validates the integrity of received packets and buffers, **reorders** , and reassembles packets into a complete message.

Addressing - The Packet Forwarding/Internetworking service encapsulates packets...level incompatibility is encountered, such as memory/resource depletion, database access problems, network problems or **printer** related problems, because of which the application cannot proceed with its normal execution.

Architecture errors...the report distribution function in order to distribute the created report to the specified devices (**printers** , disks, and so forth) and individuals.

225

The process of collecting, processing, formatting, and outputting...

...report forniat. Here, many aspects of report printing -- such as page size, headings, footings, and **printer** control values -- would have to be programmed in function calls to facilitate the report programming...
...where, when, how, and to whom to distribute the produced report.
Specific destinations can include: **printer** (s), user(s), user groups, archives (permanent storage), and/or specific display devices such as... table.

The output file is located on disk and sent to the specified or default

printer or the request is sent to the event manager for report scheduling.

Report deletion proceeds...

...data blocks specify the following.

Report name
Report parameters
Report generation time (default is immediately)
Printer name.

230

The report name must be one of the defined application report types.
Valid...

...time. All reports are written to a reserved area on disk; however, specification of a **printer** causes the output to be printed as well as stored on the file system.

Get...

...the report name is passed through an input data block. For the print service, a **printer** name is passed. For status update, the new status code is passed.

Request Report. The...

...The Print Report function sends a generated report output file to a specified or default **printer**. The report name and requesting process ID is passed to identify the report.

EVALUATION CRITERIA...useful. This function would warn users of reports that would overload the network or a **printer**. This costing function might provide recipients with a rough estimate of the amount of time...

...at centralized, remote, or local print sites without user or operations personnel intervention.

19. Variable **Printer** Types: Printing on multiple types of **printers**, including line, impact, and laser **printers**, should be supported. This should not require user intervention -- that is, the user should not have to specify the type of target **printer**. Ideally, the report architecture would default this information from the user's profile or the default **printer** defined in the local operating system. This criterion requires that the report architecture support several...

...as postscript drivers and host/mainfraine protocols (for example, Advanced Function Printing [AFP]).

20. Variable **Printer** Destinations: The report architecture should default the destination **printer** for a specific report (from the user's profile or operating system parameters). Additionally, the architecture should allow the user to change the **printer** specified. Validation of the print to destination also should be included.

21. Special Forms Printing...

...reports and special forms reports.

22. Font Support: Some reports may be printed on laser **printers** and/or may support electronic forms text (i.e., including the forms text in the

...execute the
business process;

Integration of peripherals

The workflow system should support many different types of **printers**, modems, fax machines, scanners, and pagers. This is especially important because of the diversity of...that Partitioned Business Components can be built from other independent pieces of software that provide **functionality** that is generally useful across a wide range of applications. These are Engineering Components.

To...

20/3,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00777011 **Image available**

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CODES TABLE FRAMEWORK DESIGN IN AN E-COMMERCE ARCHITECTURE
SYSTEME, PROCEDE ET ARTICLE FABRIQUE POUR LA CONCEPTION D'UNE STRUCTURE DE TABLES DE CODES DANS UNE ARCHITECTURE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

AC PROPERTIES BV, Parkstraat 83, NL-2514 JG 'S Gravenhage, The Hague, NL, NL (Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109716 A2-A3 20010208 (WO 0109716)

Application: WO 2000US20705 20000728 (PCT/WO US0020705)

Priority Application: US 99364491 19990730

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW (EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 136146

Fulltext Availability:

Detailed Description

Detailed Description

... Access Memory (RAM) 114, Read Only Memory (ROM) 116, an VO adapter 118 for connecting **peripheral** devices such as disk storage units 120 to the bus 112, a user interface adapter...illustrates a method 150 for providing an interface between a first server and a second **server** with a proxy component situated therebetween. Initially, in operation 152, a request for a business...1 1

Ginger Roberts DeMille

Installation and support of proper backup/restore systems.

Installation and support of other **peripherals** required for installed
(or
to be installed) applications.

Proper portion of the present description of...D) environment for the user to walk around in.

ReTA implementation

ReTA implements the Hyperlink **functionality** of web browser Navigation Services through the ReTA UI framework.

Window System

Description

Typically part...

20/3, K/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00761431

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING COMMERCE-RELATED

WEB APPLICATION SERVICES

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US
(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073957 A2-A3 20001207 (WO 0073957)

Application: WO 2000US14420 20000525 (PCT/WO US0014420)

Priority Application: US 99321492 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150171

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... suite of tools for administering distributed systems and managing user accounts, hosts, groups, administrative data, **printer**, file system, disk and serial ports.

Product5 j Software- browser-based graphical administration tool that...73, Read Only Memory (ROM) 74, an I/O adapter 75 for 1 5 connecting **peripheral** devices such as disk storage units 76 to the bus 71, a user interface adapter...the Information Management tool support multiple repositories?

As many repositories do not provide sufficient versioning **functionality**, it is common to have more than one repository on large projects. Typically there would...all of the printing done across a distributed environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is...

...applications need to do is obtain the data.

Print Architecture offers.

It provides independence from **printer** devices and languages

It makes it easy to develop and maintain report

Paper consumption may...

Claim

... Provides adapter or mechanism to transfer transactional Provides logging and reporting functions information to a **fulfillment** house, payment processing center, Prowidas port and traffic control enterprise resource planning system or other...

?

? t20/3,k/all

20/3,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00784185 **Image available**
A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTÈME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISANT UN SYSTÈME DE COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037,
Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200117195 A2-A3 20010308 (WO 0117195)
Application: WO 2000US24125 20000831 (PCT/WO US0024125)
Priority Application: US 99386717 19990831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150532

Fulltext Availability:

Detailed Description

Detailed Description

... Only Memory (ROM) 1 1 6, an 1/0 adapter 1 1 8 for connecting **peripheral** devices such as disk storage units 120 to the bus 112, a user interface adapter...An examples of a Virtual Resource service is the capability to print to a network **printer** as if it were directly attached to a workstation.

2o Fax 1510

Fax Services provide...Reachout

Traveling Software's LapLink

121

Printing 1520

Print services connect network workstations to shared **printers** . The administration of Print Services is usually handled by a print server. Depending on the...

...functions. A primary function of print servers is to queue print jobs sent to network **printers** . The queued jobs are stored in a print buffer

on the print server and are sent to the appropriate network **printer** as it becomes available. Print services can also provide the client with information including print...

...Distributed Print Services (NDPS); Novell's Netware UNIX Print Services; Microsoft; Windows NT Server; Line **Printer** Daemon (LPD)
The following are examples of print server products.

Novell's Netware Distributed Print...

...NetWare 4.1 server which allows NetWare and UNIX clients to share UNDC or Netware **printers** .

Microsoft Windows NT Server - provides central management of print services for NT networks.

Line **Printer** Daemon (LPD) - UNIX print management facilities, which include client and server utilities for spooling print jobs. Related programs include lpr (sends print job to spool) and lp (sends request to **printer**).

122

AudioVideo 1522

Audio/Video services allow nodes to interact with multimedia data streams. These...their physical location. The Directory service also maps between logical resource names (e.g., "Marketing **Printer**") and physical resource address (e.g., 10 15.56). (See Name service, below).

124

Directory...HTTP data transfer standard; used in conjunction with the World Wide Web.

Encryption that is **embedded** in e-mail products
e-mail encryption - products such as Lotus Notes and Microsoft Exchange
...them into the message. The service also validates the integrity of received packets and buffers, **reorders** , and reassembles packets into a complete message.

Addressing - The Packet Forwarding/Internetworking service encapsulates packets...level incompatibility is encountered, such as memory/resource depletion, database access problems, network problems or **printer** related problems, because of which the application cannot proceed with its normal execution.

Architecture errors...the report distribution function in order to distribute the created report to the specified devices (**printers** , disks, and so forth) and individuals.

225

The process of collecting, processing, formatting, and outputting...

...report forniat. Here, many aspects of report printing -- such as page size, headings, footings, and **printer** control values -- would have to be programmed in function calls to facilitate the report programming...
...where, when, how, and to whom to distribute the produced report.
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The output file is located on disk and sent to the specified or default

printer or the request is sent to the event manager for report scheduling.

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...data blocks specify the following.

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Report parameters
Report generation time (default is immediately)
Printer name.

230

The report name must be one of the defined application report types.

Valid...

...time. All reports are written to a reserved area on disk; however, specification of a **printer** causes the output to be printed as well as stored on the file system.

Get...

...the report name is passed through an input data block. For the print service, a **printer** name is passed. For status update, the new status code is passed.

Request Report. The...

...The Print Report function sends a generated report output file to a specified or default **printer**. The report name and requesting process ID is passed to identify the report.

EVALUATION CRITERIA...useful. This function would warn users of reports that would overload the network or a **printer**. This costing function might provide recipients with a rough estimate of the amount of time...

...at centralized, remote, or local print sites without user or operations personnel intervention.

19. Variable **Printer** Types: Printing on multiple types of **printers**, including line, impact, and laser **printers**, should be supported. This should not require user intervention -- that is, the user should not have to specify the type of target **printer**. Ideally, the report architecture would default this information from the user's profile or the default **printer** defined in the local operating system. This criterion requires that the report architecture support several...

...as postscript drivers and host/mainfraine protocols (for example, Advanced Function Printing [AFP]).

20. Variable **Printer** Destinations: The report architecture should default the destination **printer** for a specific report (from the user's profile or operating system parameters). Additionally, the architecture should allow the user to change the **printer** specified. Validation of the print to destination also should be included.

21. Special Forms Printing...

...reports and special forms reports.

22. Font Support: Some reports may be printed on laser **printers** and/or may support electronic forms text (i.e., including the forms text in the

...execute the

business process;

Integration of peripherals

The workflow system should support many different types of **printers**, modems, fax machines, scanners, and pagers. This is especially important because of the diversity of...that Partitioned Business Components can be built from other independent pieces of software that provide **functionality** that is generally useful across a wide range of applications. These are Engineering Components.

To...

20/3,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00777011 **Image available**

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CODES TABLE FRAMEWORK DESIGN IN AN E-COMMERCE ARCHITECTURE

SYSTEME, PROCEDE ET ARTICLE FABRIQUE POUR LA CONCEPTION D'UNE STRUCTURE DE TABLES DE CODES DANS UNE ARCHITECTURE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

AC PROPERTIES BV, Parkstraat 83, NL-2514 JG 'S Gravenhage, The Hague, NL, NL (Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109716 A2-A3 20010208 (WO 0109716)

Application: WO 2000US20705 20000728 (PCT/WO US0020705)

Priority Application: US 99364491 19990730

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW (EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 136146

Fulltext Availability:

Detailed Description

Detailed Description

... Access Memory (RAM) 114, Read Only Memory (ROM) 116, an VO adapter 118 for connecting **peripheral** devices such as disk storage units 120 to the bus 112, a user interface adapter...illustrates a method 150 for providing an interface between a first server and a second **server** with a proxy component situated therebetween. Initially, in operation 152, a request for a business...1 1

Ginger Roberts DeMille

Installation and support of proper backup/restore systems.

Installation and support of other **peripherals** required for installed
(or
to be installed) applications.

Proper portion of the present description of...D) environment for the user to walk around in.

ReTA implementation

ReTA implements the Hyperlink **functionality** of web browser Navigation Services through the ReTA UI framework.

Window System

Description

Typically part...

20/3,K/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00761431

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING COMMERCE-RELATED WEB APPLICATION SERVICES

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US
(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073957 A2-A3 20001207 (WO 0073957)

Application: WO 2000US14420 20000525 (PCT/WO US0014420)

Priority Application: US 99321492 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150171

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... suite of tools for administering distributed systems and managing user accounts, hosts, groups, administrative data, **printer**, file system, disk and serial ports.

Product5 j Software- browser-based graphical administration tool that...73, Read Only Memory (ROM) 74, an 1/0 adapter 75 for 1 5 connecting **peripheral** devices such as disk storage units 76 to the bus 71, a user interface adapter...the Information Management tool support multiple repositories?

As many repositories do not provide sufficient versioning **functionality**, it is common to have more than one repository on large projects. Typically there would...all of the printing done across a distributed environment and is responsible for managing the **printers** and printing at both central and remote locations. The purpose of a print architecture is...

...applications need to do is obtain the data.

Print Architecture offers.

It provides independence from **printer** devices and languages
It makes it easy to develop and maintain report
Paper consumption may...

Claim

... Provides adapter or mechanism to transfer transactional Provides logging and reporting functions information to a **fulfillment** house, payment processing center, Prowidas port and traffic control enterprise resource planning system or other...
?

Ginger Roberts DeMille

```
show files;ds
File 15:ABI/Inform(R) 1971-2005/Mar 10
      (c) 2005 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2005/Mar 10
      (c) 2005 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Mar 10
      (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
      (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2005/Mar 10
      (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Mar 10
      (c) 2005 The Gale Group
File 9:Business & Industry(R) Jul/1994-2005/Mar 08
      (c) 2005 The Gale Group
File 20:Dialog Global Reporter 1997-2005/Mar 10
      (c) 2005 The Dialog Corp.
File 476:Financial Times Fulltext 1982-2005/Mar 10
      (c) 2005 Financial Times Ltd
File 610:Business Wire 1999-2005/Mar 10
      (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Mar 10
      (c) 2005 PR Newswire Association Inc
File 634:San Jose Mercury Jun 1985-2005/Mar 09
      (c) 2005 San Jose Mercury News
File 636:Gale Group Newsletter DB(TM) 1987-2005/Mar 10
      (c) 2005 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
      (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
      (c) 1999 PR Newswire Association Inc
File 13:BAMP 2005/Feb W4
      (c) 2005 The Gale Group
File 75:TGG Management Contents(R) 86-2005/Feb W4
      (c) 2005 The Gale Group
File 95:TEME-Technology & Management 1989-2005/Jan W5
      (c) 2005 FIZ TECHNIK
```

Set	Items	Description
S1	1733161	(EMBED? OR INTEGRAT? OR BUILT()IN OR BUILTIN OR IMBED? OR - INTEGRAL? OR CONNECT? OR PLUG?()IN? ? OR PLUGIN? ?)(5N) (SERVER OR SERVERS OR SOFTWARE OR PROGRAM OR COMPUTER OR CHIP) OR FI- RMWARE? OR FIRM()WARE?
S2	12803	EMBEDDED()SERVER? ? OR JES OR MBEDTHIS OR HUBTEA OR HUB()T- EA OR ESM NOT JOB()ENTRY()(SUBSYSTEM? OR SYSTEM?)
S3	1642790	PRINTER? ? OR PERIPHERAL? ? OR LASERJET OR DESKJET OR INKJ- ET OR (LASER OR DESK OR INK)()JET
S4	1004047	FUNCTIONALITY()LEVEL? ? OR (ADJUST? OR CHANG? OR ALTER? OR DYNAMIC? OR VARIAB? OR FLEXIB? OR PROGRAM? OR SPECIF?)(3N) (LE- VEL? ? OR FUNCTION? ? OR FUNCTIONALITY OR STATE OR STATUS OR - STATUS)
S5	48937	(CONSUMPTION OR CONSUM? OR USE OR USAGE)(1W)LEVEL? ?
S6	13762023	HALF()EMPTY OR FULL OR LOW
S7	2519762	(PUSH? OR SEND? OR TRANSMIT? OR ROUTE? OR ROUTING OR FORWA- RD? OR COMMUNICAT?)(3N) (DATA OR INFORMATION OR RESULT? ?)
S8	2362285	(SET? ? OR SETTING OR PROGRAM?)(3N) (NOTIF? OR VERIF? OR WA- RN?) OR WARNING? ? OR NOTIFICATION? ? OR ALERT?
S9	2737613	(WHEN OR HOW OR WHAT OR IMPENDING)(1W)REPLACE OR MAINTENAN- CE OR REPLACEMENT OR ALTERNATIVE()PARTS OR ISSUE()URGENCY
S10	735	S2 AND S3 AND (S4:S9)
S11	148	S2(3S)S3(3S)(S4:S9)

Ginger Roberts DeMille

S12 0 IC=(B41J OR G06K-015)
S13 0 S2 AND S12
S14 3043 (S1 OR S2) (3S)S3(3S)S4
S15 1643 S14(3S)(S5:S9)
S16 270 FUNCTIONALITY()LEVEL? ?
S17 29 (REORDER? OR RE()ORDER? OR FULFILLMENT? OR EDI) (3S)S15
S18 0 S16(3S)S17
S19 0 S2 AND S16 AND (REORDER? OR RE()ORDER? OR FULFILLMENT?) AND
S3
S20 0 S19 NOT S18
S21 0 S2 AND S16
S22 0 S21 NOT S20
S23 177 S11 OR S17
S24 0 S2 AND S16
S25 1041 S2 AND S3
S26 355 S2(3S)S3
S27 0 S10 AND S16
S28 0 S25 AND (REORDER? OR RE()ORDER?)
S29 720 S25 NOT ESM
S30 380 S29 NOT JES
S31 248 S30 AND (S4:S9)
S32 136 RD (unique items)
S33 93 S32 NOT PY>2001
? t33/3, k/all

33/3,K/1 (Item 1 from file: 15)
DIALOG(R) File 15:ABI/Inform(R)
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02375351 126501121
XML: Filling a data-description gap, part I
Carter, Benjamin
Journal of Database Management v11n1 PP: 38-40 Jan-Mar 2000
ISSN: 1063-8016 JRNL CODE: DAN
WORD COUNT: 2085

...TEXT: products, such as Adobe FrameMaker, Microsoft Internet Explorer, Microsoft Office, Netscape Navigator, Sun Microsystems Java **Embedded Server**, and Sybase Enterprise Application Studio.

Limitations of HTML

There are several limitations of HTML that...relation to the information the searcher actually wants. This problem is caused by searching the **full** text of the Web without having the ability to search any data about what kind...managers.html

Zwang, David L. (1998, May). "What in the World is XML?" American **Printer**
Benjamin Carter
University of Wisconsin-Madison, USA

33/3,K/2 (Item 2 from file: 15)
DIALOG(R) File 15:ABI/Inform(R)
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01823596 04-74587
The policy makers
Saunders, Stephen

Ginger Roberts DeMille

Data Communications v28n7 PP: 34-56 May 1999
ISSN: 0363-6399 JRNL CODE: DCM
WORD COUNT: 5135

...TEXT: network and how they're enforced. Next stop on the grand tour: so-called policy **peripherals**. These include directories, DHCP servers, security, and baselining tools. It's also essential to put...switches and routers how to handle different types of traffic in order to meet the **specified QOS levels**. Those devices, in turn, use internal queuing mechanisms to enforce policy and mark traffic so...

...cached copies must query the standalone server whenever they have a question about policy. The **embedded servers** handle all decisions on their own.

ASSUME THE POSITION

Where the policy server is positioned ...Omitted)
Captioned as: DIRECTORY

DISINTEGRATION

That may be true, but it's worth noting that **embedded servers** also need more memory and processors, which drives up prices. In the DATA COMM RFP, the average cost per user for **embedded - server** solutions came in at \$610, while the standalone solutions averaged \$510.

Right about now, network...Institute of Technology (Cambridge, Mass.) also are looking to redesign IP to the same end.

PERIPHERAL VISIONS

Corporate networkers thinking about taking out a policy on their networks also need to consider the so-called policy **peripherals**. Directories are the place to start. A half-dozen vendors use third-party products from... from seven vendors are supported "out of the box."

Sidebar:

AN ENGRAVED INVITATION
Sidebar:

WHO: DATA COMMUNICATIONS

WHAT: HOSTING AN INTERACTIVE ROUNDTABLE ON

POLICY-BASED NETWORKING

WHERE: PLANET IT (WWW.DATA.COM...)

...costs and-equally important-how it compares with simply throwing more bandwidth at the bottleneck, **DATA COMMUNICATIONS** issued an RFP (request for proposal) to all the policy players. They were asked to...

...powerhouse, Acme Inc.

Vendors were asked to submit two bids. The first was for a **low -cost**, high-speed switched Ethernet LAN, running mostly at Layer 2. The second was for...

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...up-the-capacity approach. In some instances, the difference was even more marked. 3Com's **low** -cost option costs \$113 a head; its policy-based solution comes in at \$630-more...debunks vendor claims that IP can offer guaranteed QOS. This opinion piece, written exclusively for **DATA COMMUNICATIONS**, explains IP's QOS shortcomings and details how the protocol could be modified to deliver...

...them put their products through their paces.

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DAVID NEWMAN is senior technology editor (testing...

...e-mail address is dnewman@data.com.

ERICA ROBERTS is the former internetworking editor for **Data Communications**.

33/3, K/3 (Item 3 from file: 15)
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01697428 03-48418

Table for one

Ostendorf, Virginia A
Satellite Communications v22n9 PP: 100-104 Sep 1998
ISSN: 0147-7439 JRNL CODE: SAC
WORD COUNT: 2904

...**ABSTRACT:** systems are typically installed in conference rooms or classrooms. In response to user demand for **low** -cost video conferencing, vendors have created desktop systems. Two examples demonstrate some of the technology...

...**TEXT:** more participants.

Group systems deliver high-quality video and can offer many special features employing **peripheral** equipment. Popular options, particularly for those who teach using live video, include: robotic and voice...

...**distribution.** "This should be good news for those in the satellite business," Portway says. "As **low** Earth orbit satellites are adopted, the transmission of video over satellite will dramatically expand.... they..."

...to transmission over geosynchronous satellites."

The future: desktop video

In response to user demand for **low** -cost video conferencing, vendors have created desktop systems. Like group systems, desktop video systems allow...

...poor audio volume can arise when a desktop system is pressed into service as a **low** -cost group system. Common configurations

The most common use of desktop video is for point...m convinced we are on the right track," says Lapolla. "We would rather use a **low** -cost platform at 90 percent of capacity than a high-cost platform at 10 percent..."

...telephone conferencing network for the Postal Service in 1986. To expand the delivery of its **maintenance** training, a satellite network for business television was deployed in 1992 and now serves 360...

...the National Center for Employee Development recently grew exponentially, from the comparatively simple delivery of **maintenance** training to the much larger task of "training all craft employees, including window clerks, letter...no apologies for launching his new network to provide text and still images, and not **full** motion video. **Full** motion video to the desktop "gets your attention," says Osburn, "but the infrastructure is just not there in Colorado, Oklahoma, or Small Town, USA as yet." He does expect **full** motion video to the desktop to be the next step, and when it is affordable...

...from \$30,000 to more than \$100,000 for a system with the most desirable **peripherals** .

Vendors do offer scaled-down versions of their deluxe models. For example, PictureTel Corp. offers...

...around \$6,000. Although the Polycom system cannot yet link multiple sites, it has an **embedded server** allowing access via the Internet for non-ISDN locations like those in the Oklahoma State...

...Many vendors now offer desktop video systems. Instead of packaging proprietary codecs with feature-rich **peripherals** for large systems, desktop systems simply add video conferencing elements to personal computers. The package you buy does not include the computer itself. Prices are relatively **low** , usually around \$1,200 to \$1,800 for the requisite plug-in card and software...

33/3,K/4 (Item 4 from file: 15)
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00825626 94-75018
Networks Expo presses on despite lack of major presence by Novell
Dunlap, Charlotte; Mitchell, Amanda
Computer Reseller News PP: 67, 74+ Feb 21, 1994
ISSN: 0893-8377 JRNL CODE: CRN
WORD COUNT: 1174

...TEXT: said the new card, called the Elite32C Ultra, offers a combination of high performance and **low** CPU utilization. The Elite32C ultra averages about 55 percent CPU utilization, as well as higher...

...s new adapters include the 32-bit RedBox NET 200CT PCI adapter based on the **Peripheral** Component Interconnection local-bus architecture It also uses a direct memory access Ethernet chip architecture...

...Hub, equipped with the NetWork Services Engine.

The multifunctional hub provides high-speed connectivity, an **embedded server** , switching, routing and wide-area connectivity.

Company officials said the hub is backward-compatible protecting...
...software manages Ethernet and token-ring LANs, featuring configuration, performance, statistics, alarms, thresholds and event **notification** .

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Windows-based network-management software will be available in the spring, under a product called...

33/3,K/5 (Item 5 from file: 15)
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00822965 94-72357
Expo demos cover network universe
Klett, Stephen P Jr
Computerworld v28n7 PP: 14 Feb 14, 1994
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 501

...TEXT: unveil adapter cards. Accton Technology Corp. in San Jose, Calif., plans to demonstrate a \$249 **Peripheral** Component Interconnect Ethernet adapter card that it will deliver next month. Cabletron Systems, Inc. in...

...that aims at greater ease of use through configuration of graphical user interface, menus and **function** keys to **specific** application and user needs. It is expected to ship next month and is priced at...

...7,495. The company will also unveil 10-slot hub series that incorporates switching, an **embedded server**, high-speed connectivity, routing and wide-area connectivity starting at \$4,995 for NetWare.

* NEC...

33/3,K/6 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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09279961 Supplier Number: 80753133 (USE FORMAT 7 FOR FULLTEXT)
Microsoft ships Windows XP Embedded with eye on .Net.
Fontana, John
Network World, pNA
Nov 28, 2001
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 641

... busy developing the next generation of embedded platforms, including Windows CE .Net and Windows .Net **Embedded Server**, a version of the Windows .Net Server platform, which is slated to ship in the...

...thin-client terminal, which runs on Windows NT Embedded.

"The advantage will be greatly enhanced **peripheral** support and an easier and faster way to develop custom images of the operating system...

...management suite, which supports automatic updates to firmware on the terminal and remote booting and **maintenance**.

Pricing has not been set.

Also, Annasoft, which offers software, training and licensing to developers...

33/3,K/7 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

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09259964 Supplier Number: 80599710 (USE FORMAT 7 FOR FULLTEXT)
Industry Leaders Select Windows XP Embedded; Bally Gaming, Compaq, Fujitsu Siemens, National Semiconductor, NCR, Neoware, Olivetti, QuesCom, Retalix, Siemens, VenturCom and ViewSonic Announce Products Based on New Embedded Operating System.

PR Newswire, pSFW04728112001

Nov 28, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1566

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...2002. The industry leaders are taking advantage of the latest Windows technologies to build robust, **full** -featured devices in a variety of areas including retail point of sale, self-service kiosks...
... Windows CE .NET, the next generation of the Windows CE operating system, and Windows .NET **Embedded Server**, the componentized version of the next-generation Windows .NET Server platform.

About Microsoft

Founded in...Terminals to market more quickly, and allow our customers to take advantage of the broad **peripheral** support and advanced security provided by the Windows XP Embedded platform."

-- George Skaff

Vice President...

33/3,K/8 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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09224602 Supplier Number: 80285061 (USE FORMAT 7 FOR FULLTEXT)
Force Computers Upgrades Flexor System 1, System 2 Embedded Servers to Gigahertz Performance.

Business Wire, p0057

Nov 26, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 871

Force Computers Upgrades Flexor System 1, System 2 Embedded Servers to Gigahertz Performance.

... computing, today announced a performance upgrade to its Flexor(TM) System 1 and System 2 **embedded servers** with availability now including 1GHz Pentium(R) III processors -- the fastest on Intel's embedded...

...bit PCI
slot, half-length ISA slot (if second Ethernet interface not required) and optional **full** -length 64-bit PCI slot
-- System 2
-- five slots in all with three **full** -length 64-bit PCI slots, one half-length 32-bit PCI slot and one shared **full** -length PCI/ISA slot
Both offer DVD/floppy, CD/floppy and internal drive options. From...

...combine to create platforms to match OEM requirements. PICMG passive backplane technology offers advantages of **low** -cost **peripherals** and I/O

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cards from the PC market but with flexibility and reliability standard PCs
...

...products offer optimum industrial/embedded computing solutions.

Availability and Pricing

System 1 and System 2 **embedded servers** are now available in volume. Prices start at \$1,550 for System 1 and \$1...

33/3,K/9 (Item 4 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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09130917 Supplier Number: 79541157 (USE FORMAT 7 FOR FULLTEXT)
Microsoft Windows CE .NET Demonstrates Wireless Leadership With Bluetooth Qualification.

PR Newswire, pNA
Oct 30, 2001

Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 778

... existing network with a Bluetooth access point; and support of serial port profile for cable **replacement** while connecting to a **printer** or scanner.

"Windows CE .NET in combination with Bluetooth will be one of the most...

...implementation in Windows CE .NET, Socket can enhance the cordless connection experience with mobile phones, **printers**, digital cameras, security devices, in-building controllers and other **peripherals**. This qualification demonstrates Microsoft's commitment to Bluetooth and positions its real-time operating system...

...Windows XP Embedded, the componentized version of the Windows XP operating system; and Windows .NET **Embedded Server**, the componentized version of the next-generation Windows .NET Server platform.

About Microsoft
Founded in...

33/3,K/10 (Item 5 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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09060464 Supplier Number: 79007664 (USE FORMAT 7 FOR FULLTEXT)
MIPS On-Chip Debug Hardware.

Electronic Design, v49, n20, p69
Oct 1, 2001

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 781

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...and FPGA vendors. MIPS made its mark as a compact, high-performance CPU in telecom, **printer**, **peripheral**, and **embedded servers**. It now supplies ICs, microprocessors, microcontrollers, and ASSPs, plus ASIC cores.

... MIPS on-chip debugging resources now include the EJTAG and PDTRACE modules. EJTAG provides a **full** JTAG/TAP-based debug resource, and PDTRACE

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supports EJTAG with a **full** -trace capability for instructions and data.
The MIPS breakpoint instruction BREAK causes an exception, as...

...bit in the register turns on various trace capabilities. PDTRACE should be able to support **full** trace at processor execution speeds for at least instruction trace.

The instruction trace monitors instruction...

33/3,K/11 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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08935420 Supplier Number: 77553138 (USE FORMAT 7 FOR FULLTEXT)
Cell Computing, Inc. Introduces 700MHz, High-Availability System Service Processor Module for the Broadband Convergence Industry.

Business Wire, p0134
August 27, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 795

... Aug. 27, 2001
Cell Computing, Inc.

Ultra-Thin Cell Computing(R) RazorBlade(TM) Modules Provide **Low** -Power, High-Performance, High-Availability System Service Processor Functionality for High-Throughput Data, Telecommunications and...

...s leading manufacturer of System-On-Module components for the embedded industry, today introduced the **low** power 700MHz RazorBlade, ultra-thin embedded system-on-module for broadband data/telecom and storage...
...4HP and CompactPCI environments. Cell's new RazorBlade module integrates a complete motherboard and a **low** -power Intel(R) Pentium(R) III processor at 700MHz in a 3.0" x 5...

...SDRAM, PCI and X-BUS expansion buses, a programmable Watch Dog Timer, and interfaces for **peripheral** I/O including dual IDE, FDD, dual USB, dual RS232C COM ports, LPT, and PS...

...markets the RazorBlade and Plug-N-Run(TM) families of System-On-Module products for **embedded server** and general purpose PC applications. Cell is a wholly owned subsidiary of PFU Limited (Japan...).

33/3,K/12 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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08918512 Supplier Number: 77346365 (USE FORMAT 7 FOR FULLTEXT)
Virata Delivers the First Windows XP Compatible, Fully Integrated UPnP/NAT Solution On Silicon for Internet Gateway Devices.

Business Wire, p0062
August 21, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1282

... Gaming and Windows XP's

Remote Assistance

Virata(R) Corporation (Nasdaq:VRTA) today announced the **full** integration of Universal Plug and Play (UPnP) Internet Gateway Device specification for NAT traversal into...

...Me and Windows XP that enables network devices of all forms, such as PCs, PDAs, **printers**, broadband routers, consumer electronics, etc., to be truly plug and play on the home network...

...the gateway's web interface, being powered by EmWeb Server, a HTTP 1.1 compliant **embedded server**, when the Virata solution is used.

What is NAT Traversal?

By interfacing NAT software with...

33/3,K/13 (Item 8 from file: 16)

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08740168 Supplier Number: 75713915 (USE FORMAT 7 FOR FULLTEXT)

The E-Web Arrives. (Internet/Web/Online Service Information)

KARNEY, JAMES

Internet World, v7, n12, p52

June 15, 2001

Language: English Record Type: Fulltext Abstract

Document Type: Magazine/Journal; Trade

Word Count: 2087

... device in their office right now and don't know it, in fact: Modern network **printers** are typically equipped with a Web server and a built-in Web page. If the device is assigned an IP address and a gateway, it becomes a **full** -fledged member of the e-Web. Using any browser, remote users can check **printer** status, configure options, and print. Administrators can perform online **maintenance**. With the proper link installed, a **printer** can check the Web for updates to firmware and send an e-mail, fax, or page requesting attention or upgrade approval. If the **printer** records data--on daily and monthly usage, for instance--that data can be ported...

...along. Add browser support and you can enable features similar to those found in network **printers**. Today's resource-hungry PCs and software make it easy to forget that 15 years...

...machine can fit on a chip, without a keyboard, mouse, or display. For the perfect **embedded server**, just add the right firmware and a couple of I/O ports. As the system at Oakfield Estates shows, the technology can be applied in almost any setting.

Embedded servers take several forms. Some, such as those in network **printers**, PDAs, and cell phones, are single entities with an IP link built right into the...

...appliances. Others are wired servers that host subnets of their own and manage non-aware **peripherals**.

A good example is Newport Electronics' iSeries of meters and controllers. iSeries units equipped with...

...and Web page, which enables real-time monitoring, remote control and observation, and e-mail **alerts**.

Think Change

Pervasive computing is bound to change the way businesses operate and interact with...

...enable devices and check system status over a phone, while machines will be able to **alert** us to everything from fires to waking babies.

Of course, intelligent data-exchange applications have...

...Truman Show.

The core technologies to enable the fabric are here. Systems on a chip, **embedded servers**, InfiniBand, wireless links, and a population accustomed to instant access all ensure that the e...

33/3,K/14 (Item 9 from file: 16)
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08702700 Supplier Number: 75244447 (USE FORMAT 7 FOR FULLTEXT)

CompactPCI SBCs target telephony use. (Product Announcement)

Electronic Engineering Times, p132

June 4, 2001

Language: English Record Type: Fulltext

Article Type: Product Announcement

Document Type: Magazine/Journal; Trade

Word Count: 724

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Diego - Advantech Technologies Inc. here and Force Computers (San Jose, Calif.) have each introduced compact **peripheral** component interconnect (PCI) single-board computers (SBC) for the telephony market. Advantech's entry is...

... other network communications applications. They can be implemented either in the system or in a **peripheral** slot of a host platform. The CPCI-735 is the third product in the company...

...draft specification, and it can be used in third-generation wireless, IP telephony, high-density **embedded servers** (for Internet data centers) and other telecom and **data communications** applications that need advanced switch-fabric architectures.

It features a 64-bit local bus (via...

...Mbytes on-board IDE FlashDisk memory (64 Mbytes optional); system management functionality (IPMI compliant) and **full** hot-swap specification compliance (PICMG 2.1, R2.0). I/O options on both SBCs...

33/3,K/15 (Item 10 from file: 16)
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08683765 Supplier Number: 75240631 (USE FORMAT 7 FOR FULLTEXT)

PointBase 4.0 Is Now Available at 2001 JavaOne Developer Conference.

Business Wire, p2336

June 4, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 709

... Internet appliances, mobile applications, and occasionally connected devices, today announced the general availability of a **full** system upgrade to its **full** suite of database management software

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products: PointBase Embedded (formerly **Embedded Server**), PointBase Server (formerly Network Server) and PointBase UniSync.

The enhanced PointBase 4.0 product suite...

PRODUCT NAMES: *3573000 (Computers & **Peripherals**)

33/3,K/16 (Item 11 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08619370 Supplier Number: 74410768 (USE FORMAT 7 FOR FULLTEXT)

InfiniBand: Embedded Need Not Apply. (Technology Information)

WEISS, RAY

Electronic Design, v49, n9, p40

April 30, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 572

Deja vu. Remember when PCI first emerged? Developed as a **peripheral** bus for PCs, it was ruled off-limits to embedded participants. The PCI SIC concentrated...

...server, and embedded bus standard, deployed at four design levels--system bus (CompactPCI, PCI/ISA), **peripheral** bus (PCI), mezzanine bus (PMC, PC/104 Plus, PC-MIP), and systems interconnect bus (PC...).

...challenged in PCs by USB, and in PC servers by InfiniBand and Intel's new **peripheral** bus (or AMD's HyperTransport), at the upper and lower levels, respectively. PCI will survive, partially as a **low** -end add-on bus for PCs and portables, but mainly as an embedded system bus...

...the embedded folks will build their own InfiniBand. This will be a good thing for **embedded server** nodes and you never know when your current technology winner will fall to a faster...

33/3,K/17 (Item 12 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08558850 Supplier Number: 73814460 (USE FORMAT 7 FOR FULLTEXT)

Force Announces First 'Universal-Mode' Pentium III Processor-Based Single Board Computers.

Business Wire, p2115

April 30, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 859

... 735/736 Platforms Leverage Award-Winning SENTINEL PCI-to-PCI Bridge Technology for System or **Peripheral** Slot Functionality, Support PICMG 2.16 Force Computers, a Solectron company (NYSE:SLR) and a...

...CPCI-735 and CPCI-736 SBCs offer flexibility for implementation in either the system or **peripheral** slot of a host platform. These high-performance SBCs are ideal for computer telephony, packet...

...said Jochen Saal, Force product marketing manager. "Force's SENTINEL PPB technology enables system or **peripheral** slot functionality on one

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platform -- a capability not available on any other Pentium III processor

...

...CPCI-736 CompactPCI server blade is an ideal building block for implementation in high-density **embedded server** platforms such as the recently announced Force Centellis CO 21000-12U series of cPSB platforms...

...draft specification, provides an ideal solution for third-generation (3G) wireless, IP Telephony, high-density **embedded servers** for Internet Data Centers and other demanding telecom/data comm applications in need of advanced...

...to 2Gbytes)

-- 32MBytes onboard IDE FlashDisk memory (option to 64MBytes)

-- System management functionality (IPMI compliant)

-- **Full** Hot Swap specification compliance (PICMG 2.1, R1.0)
In addition, the CPCI-735 and...

...memory buffers allow data transfers across the CompactPCI bus without interruptions that can slow performance. **Full** Hot-Swap support enables the creation of zero-downtime High Availability solutions and allows SBC...

33/3, K/18 (Item 13 from file: 16)
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08374177 Supplier Number: 70945601 (USE FORMAT 7 FOR FULLTEXT)
Systems-On-a-Module Leader, Cell Computing, Inc., Introduces Razor-Thin
Line of Embedded Server Modules.
Business Wire, p0667
Feb 28, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 873

Systems-On-a-Module Leader, Cell Computing, Inc., Introduces Razor-Thin
Line of Embedded Server Modules.
SANTA CLARA, Calif.--(BUSINESS WIRE)--Feb. 28, 2001
Ultra-thin RazorBlade(TM) modules provide **low** -power, high performance,
high availability server functionality for routers, switches, VoIP PBXs and similar high...

...Systems-On-a-Module, today introduced the RazorBlade family of ultra-thin Intel(R)-based **embedded server** modules for data and telecommunications applications that require high-performance, high reliability, and **low** power in high density 1U, 4HP and CompactPCI applications.

Cell's new RazorBlade modules utilize...

...non value-added portion of the design -- now may be redirected. By integrating the RazorBlade **embedded server**, our customers can focus their development time on the higher value-added functions of software...

...Plug-N-Run line of general-purpose PC modules, the RazorBlade family of high availability **embedded server** modules provide **full** PC

functionality in an ultra-compact package with a standard footprint and a standard interface...

...president of Cell Computing.

The compact size of Cell's RazorBlade modules coupled with their low power consumption makes them ideally suited to high-density server, load balancing, and router applications...

...over IP and other server applications means improved reliability, increased call-traffic throughput and easier **maintenance** in less rack space than previously possible."

Module Features

Cell's RazorBlade modules feature low power mobile processors from Intel, an Intel 440BX core-logic chipset, PCI and X-BUS expansion buses, a programmable Watch Dog Timer, and interfaces for **peripheral** I/O including dual IDE, FDD, dual USB, dual RS232C COM ports, LPT, and PS...

...the RazorBlade and Plug-N-Run(TM) families of System-On-a-Module products for **embedded server** and general purpose PC applications. Cell is a wholly owned subsidiary of PFU Limited (Japan...).

33/3, K/19 (Item 14 from file: 16)
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08317455 Supplier Number: 70355998 (USE FORMAT 7 FOR FULLTEXT)
Force's Flexor System 1 Wins Communications Solutions Expo Best of Show Award.

Business Wire, p2160
Feb 12, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 907

... company (NYSE:SLR) and a leader in embedded computing, today announced its Flexor System 1 **embedded server** won the Fall 2000 Communications Solutions Expo Best of Show award, as featured in the...

...magazine and at <http://www.tmcnet.com/comsoleexpo/f00/csebos.htm>. The Flexor System 1 **embedded server** was honored based on its technological innovation, feature set and ability to work with standards...

...2000.

"Winning the Communications Solutions Expo Best of Show award for the Flexor System 1 **embedded server** validates our strategy within the entire Flexor product line," said Eric Gauthier, Force director of...
...market, rack-mount real estate is at a premium and requires that systems maintain a **low** height, giving the System 1 server a distinct advantage over competitive offerings with its 1U...

...an operator control panel with an eight-character hex display for operator messages and system **warnings**.

In addition, the System 1 offers three expansion slots-the highest density in the industry...

...combine to create platforms matched to customer requirements. PICMG passive backplane technology offers advantages of **low** -cost **peripherals** and I/O cards from the PC market but with flexibility and reliability that standard...

33/3,K/20 (Item 15 from file: 16)
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08109950 Supplier Number: 67546546 (USE FORMAT 7 FOR FULLTEXT)

Home Appliances Hit the Net. (Product Information)

Derfler Jr., Frank J.; Munro, Jay

PC Magazine, p160

Jan 2, 2001

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 623

... or other appliances from the road.

At the heart of Internet-enabled appliances is the **embedded server**. Lantronix, for example, is targeting consumers with the Lantronix Embedded Device Server, which allows you...

...monitor aspects of your physical environment and report conditions via an e-mail or pager **alert**, including temperature, humidity, smoke, and airflow. Finally, if your business relies on accurate timing, the...

PRODUCT NAMES: *3573105 (Peripheral Servers (Computers)); 3573293 (Computer Graphics, Sound and Video Processors); 3651640 (TV Cameras, Home Video)

SIC CODES: 3571 (Electronic computers); 3577 (Computer **peripheral** equipment, not elsewhere classified); 3651 (Household audio and video equipment)

NAICS CODES: 334111 (Electronic Computer Manufacturing); 334119 (Other Computer **Peripheral** Equipment Manufacturing); 33431 (Audio and Video Equipment Manufacturing)

TRADE NAMES: Lantronix Embedded Device Server (Peripheral server); Kerbango Internet Radio (Sound board/audio device); Axis Communications Axis 2000 (Computer video camera)

33/3,K/21 (Item 16 from file: 16)

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07929252 Supplier Number: 66268964 (USE FORMAT 7 FOR FULLTEXT)

CompactPCI answers next-gen needs. (Technology Information)

Heneghan, Hank

Electronic Engineering Times, p110

Oct 23, 2000

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1279

... systems to market quickly, they were large, prone to failure and had high operational and **maintenance** costs. Often, multiple racks were needed to house hardware at one central office site. Monthly...802.3 ad port trunking, 802.1q VLANs and 802.1p CoS. It also includes **embedded - server** software for DHCP-, TFTP-, FTP- and HTTP-based management. It can be configured as a...

PRODUCT NAMES: *3661100 (Telephone Switching Systems); 3573291 (Computer **Peripheral** Interfaces); 3661255 (Packet Switches)

SIC CODES: 3661 (Telephone and telegraph apparatus); 3577 (Computer **peripheral** equipment, not elsewhere classified)

Ginger Roberts DeMille

NAICS CODES: 33421 (Telephone Apparatus Manufacturing); 334119 (Other Computer Peripheral Equipment Manufacturing)

33/3,K/22 (Item 17 from file: 16)
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07835169 Supplier Number: 65464741 (USE FORMAT 7 FOR FULLTEXT)
PointBase Licenses Its Java Database to Metrowerks, a Motorola Company, for Its CodeWarrior Java IDE.

Business Wire, p2848
Sept 25, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 624

... appliances, and hand-held PDAs. CodeWarrior will ship with an evaluation version of the PointBase **Embedded Server** late Q4 2000. Upon licensing with PointBase, developers have the option to upgrade to a **full** working version at any time for application deployment purposes.

PointBase is also bundled with Visual...
PRODUCT NAMES: *3573000 (Computers & Peripherals); 7372510 (Software Development Tools)

33/3,K/23 (Item 18 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07808805 Supplier Number: 65134600 (USE FORMAT 7 FOR FULLTEXT)
Browsers revamp for embedded. (Technology Information)
Schoppa, Chris
Electronic Engineering Times, p96
Sept 4, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1551

... display and I/O capabilities.

The memory requirement of the core browser should be as **low** as possible so that it can function on **low**-end processors with limited memory resources. Modular components can then be used to add functionality
...

...can reserve hardware resources by not including that piece of the browser. For example, a **low**-end device with a simple display may require only minimal elements of the basic browser...

...a more sophisticated consumer device.

An embedded Web browser should have a small memory footprint, **full** scalability and be structured so that it can easily be ported to a wide variety...

...This modularity means that it can be implemented as a basic Web interface on a **low**-end device, such as a smart **printer**, or it can be scaled up to provide a more fully functional browser for devices...

...be able to download and execute Java applets.

Early applications of the browser include smart **printers** connected

to the Web for **maintenance** as well as printing, smart phones, PDAs and set-top boxes. It is also being...the device. For example, a specific service for a stock page, running on such an **embedded server**, could clip images and tell the browser how to display and interact with the page

...

33/3,K/24 (Item 19 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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07770453 Supplier Number: 64993096 (USE FORMAT 7 FOR FULLTEXT)
PointBase Licenses Portion of Its Java Technology-Based Database to Sun to Use in the Forte for Java IDE.

Business Wire, p0165

Sept 5, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 642

... Java IDE Tools Internet Edition will ship with a 5 megabyte version of the PointBase **Embedded Server** beginning in the third quarter. Upon licensing with PointBase, developers have the option to upgrade to a **full** working version at any time.

PointBase also is bundled with the Visual Cafe product from...

PRODUCT NAMES: *3573000 (Computers & **Peripherals**); 7372513
(Application Development Software)

33/3,K/25 (Item 20 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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07299933 Supplier Number: 61876336 (USE FORMAT 7 FOR FULLTEXT)
Sun's .com Solutions Enable the Delivery of Next-Generation Internet Services To the Home.

PR Newswire, pNA

May 4, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 589

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Java **Embedded Server** (TM) 2.0 Software Opens the Door to Residential Gateway

... DIEGO, May 4 /PRNewswire/ --

Sun Microsystems (Nasdaq: SUNW) today announced a preview of its Java **Embedded Server** (TM) 2.0 software targeted for residential gateway devices. The new release integrates with development...

...devices with each other and with service providers over the Internet.

"By adding the Java **Embedded Server** software to a product, device manufacturers can easily transform any broadband termination device, such as...

...capabilities, such as telephony on demand, energy control, home security, appliance diagnostics and more. Java **Embedded Server** 2.0 software is compliant with the OSGi standard assuring manufacturers and service providers of an open standard platform to develop and deploy these

new kinds of services."

The Java **Embedded Server** 2.0 product, a small footprint framework running in the residential gateway, gives service providers...

...the networked home on-demand. To simplify and expedite the development process for services, Java **Embedded Server** 2.0 is bundled with a customized version of the Forte for Java Community Edition, an integrated development environment. Java **Embedded Server** 2.0 software also offers an optional "Management and Provisioning Pack." This pack provides a...

...Server and management console software for service providers or gateway operators enabling centralized operations and **maintenance** of gateway devices in the field.

Java **Embedded Server** 2.0 software is compliant with the Open Standards Gateway Initiative (OSGi), the recently announced...

...will be distributing a CD-ROM that includes a preview of the OSGI-compliant Java **Embedded Server** 2.0 product. Sun will solicit public feedback on the technology.

About Sun Microsystems, Inc...

...on the World Wide Web at <http://sun.com> .

NOTE: Sun, Sun Microsystems, Java, Java **Embedded Server** , Forte and iPlanet are all trademarks or registered trademarks of Sun Microsystems, Inc. in the...

PRODUCT NAMES: *3573000 (Computers & **Peripherals**)

33/3,K/26 (Item 21 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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06862403 Supplier Number: 58164159 (USE FORMAT 7 FOR FULLTEXT)

Telocity, Inc. Launches Regional Advertising Campaign in the Southeast.

Business Wire, p0225

Dec 13, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 719

... broadband Internet services company that is building a high-speed services platform by deploying a **low** -cost broadband solution for mass customization and delivery of value-added services to resideng Iomega...

...its award-winning DataFORCE NAS product line. With EDA support, the DataFORCE products will provide **full** support of NetWare 5 connectivity over TCP/IP. Procom's CD/DVD NAS appliances provide...

...We, at Procom, are pleased to have collaborated with Peerless and Novell to engineer an **embedded server** kit of the quality of Peerless' EDA for Storage. It provides ournage enterprise-critical information...

...Storage in a comprehensive Software Developer's Kit (SDK) which supports Novell's eDirectory. The **full** EDA product line, when launoduct. Peerless will also work with its partnertion to launch.

About...

...and networking systems to original equipment manufacturers of digital document products. Digital document products include **printers** , copiers, fax machines, scanners and color products, as well as multifunction products that perform a...

Ginger Roberts DeMille

PRODUCT NAMES: *3573200 (Computer **Peripherals**); 7372000 (Computer Software)
SIC CODES: 3577 (Computer **peripheral** equipment, not elsewhere classified); 7372 (Prepackaged software)
NAICS CODES: 33411 (Computer and **Peripheral** Equipment Manufacturing); 51121 (Software Publishers)

33/3,K/27 (Item 22 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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06829428 Supplier Number: 57598135 (USE FORMAT 7 FOR FULLTEXT)
NOTEBOOK.

Consumer Electronics, v2, n46, pNA
Nov 15, 1999

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 3377

(USE FORMAT 7 FOR FULLTEXT)
TEXT:

...In 1999 sales, semiconductors will account for 35% of total, followed by telecom (25%), computer & **peripherals** (22%), CE (18%). Figures will remain essentially same in fiscal 2000. with computers increasing to...

... LINK for digital equipment network in home, as well as Sun's Jini, Java, Java **Embedded Server** and Sun Management Center (SunMC) technologies. Combining those would create seamless connection between network servers...in Europe, 11% in U.S., with CE products accounting for 67% of revenue. For **full** fiscal year ending next March 31, JVC forecast no net income on \$8.3 billion...said it signed agreement with Internet VOD startup MetTV.com to encode and host 750 **full** -length feature films.

Encoding.com said it had completed digitizing 20 movies as of last...

...**PRODUCT NAMES:** Electronic Equip); 5735000 (Record Stores); 3662237
(Digital Television Broadcasting Equipment); 3650000 (Consumer Electronics); 3573000 (Computers & **Peripherals**)

33/3,K/28 (Item 23 from file: 16)

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06799500 Supplier Number: 57517467 (USE FORMAT 7 FOR FULLTEXT)

HP goes from the lab to cool town. (Cool Town architecture) (Company Business and Marketing)

Niccolai, James
Network World, pNA
Nov 8, 1999

Language: English Record Type: Fulltext
Document Type: Tabloid; Trade
Word Count: 745

... and even bus stops are equipped with tiny computers and Web servers that let them **send** and receive **information** and services. HP called the concept "Cool Town."

"Cool Town is based upon the Web...

...including global positioning systems (GPS) that pinpoint a user's location and wireless technologies for **sending** and receiving **data** .

The company is also working on its own products designed to help

provide users with...

...company sees multiple potential revenue streams for its efforts. Besides hardware devices like handheld computers, printers and projectors, HP hopes to sell software like its Chai **embedded server**, as well as consulting and implementation services for businesses that want to create a Cool...

...is credited with having invented the first pocket calculator, and for some major advances in **inkjet** printing, among other things.

"We really didn't think it was important to talk about..."

33/3,K/29 (Item 24 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

06713570 Supplier Number: 56196527 (USE FORMAT 7 FOR FULLTEXT)
Home networks challenge vendors, designers. (OVERVIEW: DATA & CONTROL

FUNCTIONS) (Technology Information)

Cole, Bernard
Electronic Engineering Times, p79
Oct 11, 1999

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade

Word Count: 1799

... as the medium to carry both voice and data packets so that PCs can share **peripherals** and a single Internet connection. It has established a 1-Mbit/second standard; while it...wireless LAN standard. Simplified to meet consumer price targets, it allows multiple computers to share **peripherals** and a single Internet connection and, ultimately, faxes, PDAs and even home appliances and consumer...

...to link appliances and electronic devices to some central control point, albeit at a very **low** data rate. Few achieved much more than 20 to 30 kbits/s. That's good...

...it gives the phone line competitors a better chance of proving themselves as a megabit- **level** home-networking **alternative**. Second, fragmentation means smaller market shares for each and thus a smaller base of users...

...and Ericsson. Described in an article by engineers from Sun, OSGI envisions a Java-based **embedded server** that provides automatic data and resource management, security, version control, installation and configuration services through...

33/3,K/30 (Item 25 from file: 16)
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06571996 Supplier Number: 55481734 (USE FORMAT 7 FOR FULLTEXT)
Echelon's LonWorld99 Gains Momentum; Sun Microsystems Joins Echelon at

LonWorld99 as Platinum Sponsor.

Business Wire, p0080

August 18, 1999

Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 620

... users to share how they use LONWORKS(R) control networks to gain competitive advantage. A full schedule of seminars and technology briefs will also be offered for developers looking for the...

...solution for building and home automation, industrial, transportation, and public utility applications. Echelon offers a full range of off-the-shelf hardware and software products to support the development, installation and...

...States and other countries. Sun, Sun Microsystems, Java, The Network Is the Computer, and Java **Embedded Server** are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other...

PRODUCT NAMES: *3573000 (Computers & **Peripherals**); 7372000 (Computer Software)

33/3, K/31 (Item 26 from file: 16)

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06521264 Supplier Number: 55286401 (USE FORMAT 7 FOR FULLTEXT)

Echelon Demonstrates the Networked Home At HomeNet '99.

Business Wire, p1356

July 28, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 621

... Connectivity Conference, showed how LONWORKS(R) networks and residential gateways powered by Sun's Java **Embedded Server** (TM) provide the infrastructure for a new breed of home networking and control solutions.

In...

...Java(TM) technology client for the LNS(TM) network operating system and Sun's Java **Embedded Server** to allow service providers to deliver high-value home services such as security, energy management...

...home networking market needs industry initiatives like OSGi, companies like Sun, and products like Java **Embedded Server** to ignite the home networking market," said Jeff Lund, Director of Business Development and Marketing...

...homes, smart buildings and smart equipment", said Raj Mata, Senior Product Manager for the Java **Embedded Server** at Sun Microsystems, Inc. "As a leading device networking standard in residential, building, and industrial applications, Echelon's LonWorks system offers Java **Embedded Server** customers a key enabler in the end-to-end solution for the networked device market...

...solution for building and home automation, industrial, transportation, and public utility applications. Echelon offers a full range of off-the-shelf hardware and software products to support the development, installation and...

...States and other countries. Sun, Sun Microsystems, Java, The Network Is the Computer, and Java **Embedded Server** are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other...

PRODUCT NAMES: *3573000 (Computers & **Peripherals**); 7372000 (Computer

Software)

33/3, K/32 (Item 27 from file: 16)

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06380351 Supplier Number: 54769118 (USE FORMAT 7 FOR FULLTEXT)
Force Computers Introduces Industry's First 8-Slot CompactPCI Platform for Sun Solaris.
Business Wire, p0061
June 2, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 626

... III performance, enhanced reliability and flexible expansion capabilities to address a wide range of telephony, **data communications**, **embedded server** and industrial control applications.

The Centellis 8522 will fill in the mid-range of Force...

...swappable power supplies, fan modules and storage modules.

The Centellis 8000 also supports the CompactPCI **Full** Hot Swap specification for I/O boards, so users can add, remove or exchange CompactPCI...

...configure customized systems using a broad range of standards-based CompactPCI I/O products and **peripherals**. Five storage bays, meanwhile, allow for highly individualized storage configurations, including the ability to deploy...

...platform for such demanding applications as Voice over IP, intelligent bridging and routing, gateway, and **embedded server** applications for C3I and industrial control."

Availability and Pricing

The Centellis 8522 will be available...

33/3, K/33 (Item 28 from file: 16)

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06328542 Supplier Number: 54596362 (USE FORMAT 7 FOR FULLTEXT)
The Policy Makers -- A dozen vendors have gone public with their lofty ambitions for policy-based networks. But the quest for QOS is just beginning. (Technology Information)

Newman, Stephen
Data Communications, p34(1)
May 7, 1999
Language: English Record Type: Fulltext Abstract
Document Type: Magazine/Journal; Trade
Word Count: 6059

ABSTRACT:

...an enterprise can understand. Advocates of embedded policy management say that switches avoid slowdowns, but **embedded servers** also require costly CPUs and memory. Some vendors focus on the LAN/WAN border; others...
... network and how they're enforced. Next stop on the grand tour: so-called policy **peripherals**. These include directories, DHCP servers, security, and baselining tools. It's also essential to put...switches and

routers how to handle different types of traffic in order to meet the **specified QOS levels**. Those devices, in turn, use internal queuing mechanisms to enforce policy and mark traffic so...

...cached copies must query the standalone server whenever they have a question about policy. The **embedded servers** handle all decisions on their own.

Assume the Position

Where the policy server is positioned...know what the policy is."

That may be true, but it's worth noting that **embedded servers** also need more memory and processors, which drives up prices. In the Data Comm RFP, the average cost per user for **embedded - server** solutions came in at \$610, while the standalone solutions averaged \$510.

Right about now, network...

...LDAP: Use as Directed," February 1999; www.data.com/issue/990207/ldap.html). But only **embedded - server** vendors are using it, and they say they do so sparingly, for occasional communications with...Institute of Technology (Cambridge, Mass.) also are looking to redesign IP to the same end.

Peripheral Visions

Corporate networkers thinking about taking out a policy on their networks also need to consider the so-called policy **peripherals**. Directories are the place to start. A half-dozen vendors use third-party products from...from seven vendors are supported "out of the box."

Stephen Saunders is executive editor of **Data Communications**. His e-mail address is saunder@data.com. David Newman is senior technology editor (testing...).

...e-mail address is dnewman@data.com. Erica Roberts is the former internetworking editor for **Data Communications**.

SIDE BAR: The Price of Policy

Vendors are more than happy to go on and on...

...costs and-equally important-how it compares with simply throwing more bandwidth at the bottleneck, **Data Communications** issued an RFP (request for proposal) to all the policy players. They were asked to...

...powerhouse, Acme Inc.

Vendors were asked to submit two bids. The first was for a **low** -cost, high-speed switched Ethernet LAN, running mostly at Layer 2. The second was for...

...up-the-capacity approach. In some instances, the difference was even more marked. 3Com's **low** -cost option costs \$113 a head; its policy-based solution comes in at \$630-more...be said for the spec. Specifically, while the DEN schema defines basic objects like printers, **routers**, and switches, it leaves the format for detailing information about the device up to individual...vendor claims that IP can offer guaranteed QOS. This opinion piece, written exclusively for **Data Communications**, **explains** IP's QOS shortcomings and details how the protocol could be modified to deliver true...

33/3,K/34 (Item 29 from file: 16)
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06161202 Supplier Number: 53975558 (USE FORMAT 7 FOR FULLTEXT)
Internet appliances receive, send e-mail. (Technology Information)

Steinfeld, Edward F.
Electronic Engineering Times, p76(1)
March 1, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 683

Internet appliances receive, send e-mail. (Technology Information)

The early adopters of Internet technology were computer- **peripheral** manufacturers. Embedding Internet communications in **printers** let **printer** manufacturers and users place the **printer** in the most convenient location. The need for the print server computer was eliminated.

Printer manufacturers have moved Internet technology from a simple one- way file transfer to two-way Web technology that manages and monitors the **printer**, making the **printer** proactive. Meanwhile, other industries are beginning to consider Web technology for their intelligent devices. Clearly...

...a standalone application.

The first embedded Web servers appeared in 1993. One of the earliest **embedded servers** came from Allegro; now it may have deployed the largest number of embedded Web servers...

...LAN switching hubs, Extreme Networks' and Foundry Networks' high-speed Ethernet switches and Osicom/DPI **printer** servers. They are shipped with the Osicom NET+ARM microprocessor, Xerox DocuPrint laser **printers** and QMS networked **printers** .

Many of the early adopters of Web servers were companies producing network products. As the...

...Web server software. With this integrated software, a network router could use e-mail to **alert** a network manager when it starts to drop packets. The network manager could examine the...

...action. Or, as one Allegro customer has done, RomMailer could be implemented in a network **printer** to notify an administrator when the **printer** is running out of paper, needs toner or has a paper jam.

Having an Internet appliance send e-mail for service **notification** seems an obvious use of e-mail. But it is the incoming-mail capability that

...adequate for many simple devices. However, the more complex ones require periodic and often instant **maintenance** . An administrator could look at a device with a browser to determine its state, or the device could become proactive and **alert** the administrator by sending urgent e-mail.

Currently, proactive devices can send e-mail with RomMailer add-on software. For example, the Xerox NC60 color laser **printer** will soon incorporate RomMailer to send e-mail to the administrator when the **printer** requires or will soon require service. The Xerox NC60 uses RomPager-an embedded Web server...

PRODUCT NAMES: *7372523 (**Printer** Support Software); 7372650 (Fax Software); 7372681 (Internet Access Software)

33/3,K/35 (Item 30 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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06158019 Supplier Number: 53965256 (USE FORMAT 7 FOR FULLTEXT)
Dell Boosts Power and Performance of Workgroup and Departmental PowerEdge Servers; Faster Processor, Increased System Memory Capacity Now

Available.
Business Wire, p0086
Feb 26, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1164

... starting lower than many desktop systems. The server, which can support up to two processors, **embedded server** management, and 1GB of memory, is also ideal for remote computing and branch locations, or...

...the Dell Remote Assistant Card-2 (DRAC-2). DRAC-2 is designed to provide advanced **warning** of potential server failure, and allows system administrators to remotely access, diagnose and manage their...

...customizes products and services to customer requirements and offers an extensive selection of software and **peripherals**. Information on Dell

33/3,K/36 (Item 31 from file: 16)
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06105423 Supplier Number: 53682376 (USE FORMAT 7 FOR FULLTEXT)
Sun Announces Availability of 400 MHz SPARCengine Ultra AXmp Board; Leading Integrators Adopt Sun's Embedded Multiprocessing Solution.
Business Wire, p0111
Feb 2, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1066

... the best of all possible solutions -- the power of multiprocessing, the flexibility of a rackable, **low profile** in a small form factor board, high compute density and almost linear scalability -- while...

...OEMs to shorten new product development cycles and decrease overall system costs with less expensive **peripherals**, making it the foundation technology of choice for key integrators.

To compete in today's...

...swappable cooling, $N + 1$ hot swappable power supplies and RAID storage. "We'll be taking **full** advantage of the Ultra AXmp Board's Advanced System Monitoring capabilities," said John Bair, PDSi...
...can be replaced prior to failure. Customers will be able to choose between front panel **warning** indicators, a GUI display or remote dial-out **notification** of system monitoring capabilities. These features allow us to provide a true high-availability solution...

...and customizes system requests, offering the latest in Sun technology for high-end imaging systems, **embedded servers**, next generation Internet telephony, telecommunication servers or embedded storage solutions. Rave's RackMount-AXmp system...

PRODUCT NAMES: *3573000 (Computers & **Peripherals**)

33/3,K/37 (Item 32 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05940740 Supplier Number: 53192137 (USE FORMAT 7 FOR FULLTEXT)
Group seeks to bring MCU power to Web. (consortium offering EMIT technology for microcontrollers aimed at point-of-sale) (applications) (Product Announcement)

MacLellan, Andrew

Electronic Buyers' News, p4(1)

Nov 9, 1998

Language: English Record Type: Fulltext

Article Type: Product Announcement

Document Type: Magazine/Journal; Trade

Word Count: 986

... line, the microcontroller is an essential building block of the Digital Age.

What's more, low -cost MCUs are a far more attractive networking agent for many industrial and consumer applications than a full -blown PC costing thousands of dollars, according to observers.

While the idea of adding Internet...

...these tiny embedded brains promise consumers, manufacturers, distributors, and retailers a hugely interactive means of sending and receiving data , according to proponents.

"The upstream and downstream potential of this market is enormous," said Ellen...

...point of sale, revealing how often and in exactly what fashion products are used. Repair warnings could be issued automatically to the manufacturer or reseller. Vending machines and gas pumps could...

...bit ARM RISC processor with a Fast Ethernet networking protocol. Originally designed to connect multiple printers in an office setting, the design's greater promise soon became evident.

Industrial and office...

...address the network-enabled.embedded market, Sun last week announced the commercial availability of Java Embedded Server 1.0, a network server that enables real-time deployment and installation of applications to...

33/3,K/38 (Item 33 from file: 16)

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05899264 Supplier Number: 53108263 (USE FORMAT 7 FOR FULLTEXT)

Sun Changes the Application Server Landscape.

Business Wire, p0306

Oct 21, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 824

... is a proven technology and business solution that complements the Java Web Server(TM), Java Embedded Server (TM) products, and other enterprise Java products. With NetDynamics technology, Sun delivers a middle-tier...

...re best positioned to address enterprise environments at the high end, consumer devices at the low end, and to tie in everything in between."

More Enterprise Customer Deals and Successful Deployments...

...www.sun.com.

Sun, Sun Microsystems, Java, Sun Enterprise, Solaris, NetDynamics, Java Web Server, Java **Embedded Server**, and The Network Is The Computer are trademarks or registered trademarks of Sun Microsystems, Inc...
PRODUCT NAMES: *3573000 (Computers & **Peripherals**); 7372000 (Computer Software)

33/3, K/39 (Item 34 from file: 16)

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05827448 Supplier Number: 50336935 (USE FORMAT 7 FOR FULLTEXT)

RIPs for Digital Presses: EFI unveils ColorPass-V color servers

The Seybold Report on Publishing Systems, v28, n2, p15

Sept 30, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Newsletter; Trade

Word Count: 855

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...applications, EFI has moved into the monochrome arena and, with its embedded controllers, into the **low** -end SOHO market. The results of this move are twofold: First, by taking elements of...

...the mass market, Fiery-branded products are helping to establish better results for lower-end **printers**. However, the second point is that by virtue of going after the broad market, EFI...

... t been disclosed. EFI said it expects to support four to six RIPs and multiple **printers**.

ColorPass V series. On the new product front, EFI announced a new Color Server series for Canon CLC **printers** that creates ColorPass equivalents for the ZX series. The new ColorPass-V30 and V50, for...

...and a PostScript 3 interpreter. It supports document-set printing, network operation and Internet-based **printer** management. Command WorkStation software is available as an option. The ColorPass-V30, which lists for \$21,950, is a new, **low** -cost option for CLC devices.

* The V50 is designed as a higher-performance unit for...

...950.

Standard features. The ZX platform, upon which the V-series is based, features the **full** lineup of EFI software modules:

* ColorWise-EFI's color management system, which handles RGB and...

...log.

* WebTools-facilities enabling remote users with a Java-enabled browser to download and install **printer** files on their workstations, retrieve **printer** status information and preview, merge and edit jobs.

* DocBuilder technologies-modules covering Electronic Collation, Reverse...

...ColorWise, NetWise, RIP-While-Print and Continuous Print technologies. The X2 series also includes an **embedded server**, the X2e, for **low** -end applications.

PRODUCT NAMES: *3573000 (Computers & **Peripherals**)

33/3,K/40 (Item 35 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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05709211 Supplier Number: 50168492 (USE FORMAT 7 FOR FULLTEXT)
**Industry Endorses Storage With PCI Expansion; Over 20 Storage Industry
Vendors Have Signed Agreements to Support ATL's Prism Library
Architecture.**

Business Wire, p07151148
July 15, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 2202

... library. Positioned for midrange storage requirements, the P1000 is well suited for distributed networks where **low** cost of ownership and ease of use are paramount. The library can be expanded to...

...P3000's HA design features single connector hot-swap components that allows for non-disruptive **maintenance** and redundant AC components that allows for on-line **replacement** and continual uptime if a single component fails. Featuring up to 16 drives for 288...

...of their respective owners.

This news release contains statements which may be deemed to be **forward** looking. The actual **results** of the ATL may differ materially and will depend on its performance which could be...

...From Storage Industry Leaders

Mary Lavern
Business Line Manager
IBM Corporation

"Given the highly scalable, **full** functionality of our product, we're pleased to be offering our customers access, through ADSM... Prism Library Architecture provide a unique solution for ATL customers to easily and quickly build **embedded server** storage systems."

James D. Greenup
Vice President, Sales and Marketing
Spectra Logic Corp.

"Alexandria (UNIX Review's 1997 **Peripheral** Product of the Year winner) coupled with Prism-based libraries from ATL will deliver performance...that feature dedicated library operations, significant cost and performance benefits, plug-and-play compatibility, simplified **maintenance**, and an interface pathway to remote library administration."

Denise Reier
Vice President of Marketing
SCH...

33/3,K/41 (Item 36 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)
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05187840 Supplier Number: 47916462 (USE FORMAT 7 FOR FULLTEXT)
Networking Chips: Oki tunes traffic management for shared media hubs; TI pitches thunderswitch for 'Pizza Box' platforms; Multiport MACs debut for low -cost Ethernet

Wirbel, Loring

Electronic Engineering Times, p66

August 18, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 882

(USE FORMAT 7 FOR FULLTEXT)
...for shared media hubs; TI pitches thunderswitch for 'Pizza Box' platforms; Multiport MACs debut for low -cost Ethernet

TEXT:

...from Texas Instruments Inc. and Oki Semiconductor Corp. (Sunnyvale, Calif.) to emphasize high density and **low cost**.
... pursuing different workgroup-to-desktop markets, however. TI is taking its ThunderSwitch architecture into very **low cost** "pizza box" platforms, providing OEMs with a chip that combines eight 10-Mbit switched

...Mbit switched MACs. The company is going to unprecedented lengths to provide reference designs for **low -cost switches**, under the assumption that the shared-media hub is dying.

Oki is taking...

...of its backbone ThunderSwitch chips to the new TNETX3100 8/2 device. The device provides **full** -duplex functionality on all 10 ports, and allows each switching MAC to be configured independently...

...or cut-through switching. Neela Patel, product marketing manager for the 3100 switch, suggested that **low -end pricing** does not imply OEMs will accept **low -end switching functionality**.

Price is another story. TI is aiming for a **full** OEM bill-of-materials cost of about \$15 per port. That implies not just keeping ...

...partners have made it clear that a true retail/reseller market for workgroup switches requires **full** systems to be priced as **low** as \$500.

TI has made the architecture expandable for those OEMs that want to add...

...expands MAC address support to 1,952 addresses, and adds VLAN segmentation capabilities. An additional **low -cost** microcontroller could expand network-management support for designers wishing to make a scaled family...

...for local boot-up and auto-configuration. TI has used the chip to build a **full** reference system with Gerber tape information, bill-of-materials for a reference board, and even...

...of action left in shared-media hubs for the Fast Ethernet world, particularly for a **low -cost** market where advanced network management and VLAN features are required. "We wanted to make sure all eight ports of the MAC supported **full** autonegotiation and autoselection of 10- or 100-Mbit services," said Ron DiGiuseppe, manager of applications...

...tagging, nine groups of RMON and similar features," he added.

The eight-port MAC8110 offers full - and half-duplex flow control on each of its eight ports, using carrier-sense for half-duplex and 802.3x standards for full -duplex. Logic on each MAC channel supports large packets for VLAN tagging, as well as...

...64 bytes. The total FIFO bus bandwidth exceeds 4 Gbits/second.

The chip includes a full PCI interface for systems, such as **embedded servers**, based on the **Peripheral Component Interconnect bus**. The seven-wire interface to physical-layer devices gives designers the choice of using 10-Mbit/s PHY chips, or a media-independent interface for full 10/100 PHY chips.

The MAC8110 is fabricated in a 3.3-V, 0.35...

...array. VHDL models of the device are available now, with samples slated for September and full production set for early 1998. Price in small quantities is \$45.

Texas Instruments: (800) 477...

PRODUCT NAMES: *3674191 (Data Communications ICs)

33/3,K/42 (Item 37 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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04894485 Supplier Number: 47198336 (USE FORMAT 7 FOR FULLTEXT)

Mylex: Embedded Server Technology

Spang, Kelly
Computer Retail Week, p71
March 10, 1997

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 526

(USE FORMAT 7 FOR FULLTEXT)

Mylex: Embedded Server Technology

TEXT:
Fremont, Calif.: For VARs building network-attached storage servers, Mylex Corp. is positioning its new **embedded server** technology as a simple, cost-effective solution.

... incorporating the NetEngine technology a month or two after its product release, Woods said.

This **embedded server** technology is specifically targeted at dedicated applications, such as network-attached storage.

VARs building their...

...systems can integrate the 3.5-inch board into a storage enclosure to offer a low -cost server dedicated to moving files, according to Woods.

NetEngine is platform- and operating-system...

PRODUCT NAMES: *3573290 (Computer Peripherals NEC)
NAICS CODES: 334119 (Other Computer Peripheral Equipment Manufacturing)

33/3,K/43 (Item 38 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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04892589 Supplier Number: 47196029 (USE FORMAT 7 FOR FULLTEXT)

Mylex Offers Server On-Board -- Embedded Technology Promises Cost Savings
McHale, Tom

Electronic Buyers' News, p026

March 10, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 403

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Fremont, Calif. - Mylex Corp.'s new **embedded - server** technology, NetEngine, will enable manufacturers to slash the cost of network servers and bring plug...

... for \$1,000, a price it said is less than half the cost of current **low -end**, PC-type servers.

NetEngine integrates Mylex's networking hardware and software - including industry-standard **peripheral** and network connections and a real-time operating system-with an Intel i960 processor to...

...market is worth an estimated \$8.6 billion, according to Dataquest Inc., San Jose.

The **embedded server** marks a totally new approach to the server business, Brashier said. "This is aimed at..."

...Data Corp., Framingham, Mass. Lahive said that a number of new opportunities arise from the **embedded - server** approach, including storage toasters.

Brashier said he expects NetEngine products will start shipping in the ...

33/3, K/44 (Item 39 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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04886672 Supplier Number: 47187977 (USE FORMAT 7 FOR FULLTEXT)

MYLEX CLAIMS TO CRASH TO COST OF NETWORK SERVERS

Computergram International, n3114, pN/A

March 6, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 276

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...is to mobilise Intel Corp's new 80960RP input-output-optimised RISC to create an **embedded server** designed specifically to move data more quickly across networks at a significantly reduced cost compared...

...to develop servers that provide "unparalleled ease of installation and management." It has implemented a **low** chip count design incorporating standard **peripheral** and network connections and a real-time operating system to create a complete network server in "a very small, **low -cost** package," and one that can serve any operating system on any hardware. NetEngine-based...

33/3, K/45 (Item 40 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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04877472 Supplier Number: 47175104 (USE FORMAT 7 FOR FULLTEXT)

Mylex Demonstrates New Embedded Server Technology for Low -cost, Easy-to-use Network and Storage Servers.

Business Wire, p03030119

March 3, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 972

Mylex Demonstrates New Embedded Server Technology for Low -cost, Easy-to-use Network and Storage Servers.

... its advanced networking hardware and software technology with a high-performance microprocessor to create a low -chip count, embedded network server. Incorporating industry standard **peripheral** and network connections and a real-time operating system, NetEngine technology will be the basis of a complete network server in a very small, low -cost package. This **embedded server** approach is completely operating system- and platform-independent.

Mylex believes that servers based on this...

...design, to provide significantly lower costs and higher performance, while being much easier to use.

Embedded Server Market Opportunities

Initially based on the Intel i960 microprocessor, this new technology will benefit a variety of markets depending on how it is configured. Two potentially large markets for **embedded servers** are entry-level file servers and plug and play network attached storage servers that can...

...that are rarely used, but contribute significantly to the cost of the hardware. With the **embedded server** concept, these extraneous items have been removed, greatly reducing the server's cost. In addition, an **embedded server** will not require the user to purchase -- or learn -- a network operating system.

The low -cost distributed processing provided by NetEngine technology will change the way networks are constructed. NetEngine...

...be of tremendous value to the "NetPC" architecture promoted by Microsoft, Intel and others. Adding low -cost servers where needed throughout the network will enable the deployment of thin clients without ...

33/3,K/46 (Item 41 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04738336 Supplier Number: 46975197 (USE FORMAT 7 FOR FULLTEXT)

Leveraging browsers as universal GUIs

Electronic Engineering Times, p72

Dec 16, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1846

... in the product. That server has to be an HTTP or Web server that can **transmit** and receive **data** coded in Hypertext Markup Language (HTML) pages.

Today, only a couple of providers of embedded...

...new Web browsers allow embedded system developers access to the latest technology at a very low price. Vendors of embedded kernels that are not

Win32-based and do not provide Web...

...programmers will quickly recognize the HTML commands created by the HTML-on-the-fly C **functions**. The C **programmer** will see how some of the functions look very similar to printf statements.

Few programming...passive.

In order for any of these three interfaces to display real-time data, the **embedded server** must be able to provide it. Phar Lap's HTML-on-the-fly is a...

...data.

The remote station also can call another computer (maybe the Internet Service Provider) and **send** the **information**. Not only can one collect numerical data, but the remote station can have a digital...

PRODUCT NAMES: *3573000 (Computers & **Peripherals**)

33/3,K/47 (Item 42 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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03631992 Supplier Number: 45121327 (USE FORMAT 7 FOR FULLTEXT)

Synopsys Eyes 'Total' Needs With PCI Design Kit Entry

Electronic News (1991), p60

Nov 7, 1994

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 674

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

MOUNTAIN VIEW, CALIF. - Synopsys is introducing a **Peripheral** Component Interconnect (PCI) Design Kit for PCI Local Bus designs with a new, customizable PCI...

... macro set comes from Synopsys' DesignWare product line of reusable design elements, and features seven **flexible**, synthesizable, high- **level** design blocks. Synopsys said the set allows optimization between die size and functionality, and it...

...just desktop computers based on the Pentium microprocessor, but also in the internal buses of **embedded servers** and telecommunications equipment, for example. 'The PCI bus is going to be the dominant bus...

...The macro set covers a range of configurations and applications, particularly those focused at the **peripherals** add-on functions of a PCI-based system. The set supports slave-only, master-slave...

33/3,K/48 (Item 43 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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03239924 Supplier Number: 44452801 (USE FORMAT 7 FOR FULLTEXT)

Networks Expo presses on despite lack of major presence by Novell: Hardware vendors go head to head with adapter-card offerings

Computer Reseller News, p67

Feb 21, 1994

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1244

... said the new card, called the Elite32C Ultra, offers a combination of high performance and **low** CPU utilization. The Elite32C Ultra averages about 55 percent CPU utilization, as well as higher...

...s new adapters include the 32-bit RedBox NET 3200CT PCI adapter based on the **Peripheral** Component Interconnection local-bus architecture. It also uses a direct memory access Ethernet chip architecture...

...Hub, equipped with the NetWork Services Engine.

The multifunctional hub provides high-speed connectivity, an **embedded server**, switching, routing and wide-area connectivity.

Company officials said the hub is backward-compatible with...

...software manages Ethernet and token-ring LANs, featuring configuration, performance, statistics, alarms, thresholds and event **notification**.

Windows-based network-management software will be available in the spring, under a product called...

PRODUCT NAMES: *3573291 (Computer **Peripheral** Interfaces); 7372490 (Applications Software NEC); 3661257 (LAN/WAN Adapters); 7372600 (Computer Network & Communications Software)

NAICS CODES: 334119 (Other Computer **Peripheral** Equipment Manufacturing); 51121 (Software Publishers); 33421 (Telephone Apparatus Manufacturing)

33/3,K/49 (Item 44 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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01377323 Supplier Number: 41635532 (USE FORMAT 7 FOR FULLTEXT)

Conner Expands Line Of PC Disk Drives

Electronic News (1991), p14

Oct 29, 1990

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 303

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

SAN JOSE, Calif. -- Conner **Peripherals** Inc. expanded its line of **low** -profile disk drives for the PC and portable computer market with new models that compete...

... watts power and weigh seven ounces. All five drives use rotary voice-coil actuators with **embedded server** systems, and are available now.

COMPANY NAMES: *Conner **Peripherals** Inc.

33/3,K/50 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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13879100 SUPPLIER NUMBER: 78858851 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Startup eyes SSL security ICs. (Secure Socket Layer)

Wirbel, Loring

Electronic Engineering Times, 37

Oct 1, 2001

ISSN: 0192-1541 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 708 LINE COUNT: 00060

... of chip sets.

The UltraLock architecture now under development at Layer N will include a **full** TCP/IP stack implemented in hardware. The chips can be deployed either in stand-alone...

...a Web switch and Ethernet switch. Layer N also will examine PCI-based solutions for **embedded - server** applications, though it will not lead with PCI-level products as Broadcom is doing.

UltraLock...

...DESCRIPTORS: Computer **peripherals** industry...

PRODUCT/INDUSTRY NAMES: 3573290 (Computer **Peripherals** NEC...

NAICS CODES: 334119 Other Computer **Peripheral** Equipment Manufacturing;
334413 Semiconductor and Related Device Manufacturing

33/3,K/51 (Item 2 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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12989314 SUPPLIER NUMBER: 69371978 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SOHO gateways: provisioning the last 10m. (Technology Information)

Cravotta, Nicholas

EDN, 45, 26, 67

Dec 21, 2000

ISSN: 0012-7515 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 6793 LINE COUNT: 00540

... a hosting service for a fee, instead of doing the job themselves and using the **full** potential of their allocated bandwidth.

OPENING THE REVENUE FLOODGATES

The basic \$40/month service fee...

...are inventing to create additional revenue streams.

Many ways exist to connect your home (PCs, **peripherals**, video in/out to TV, audio in/out to stereo), which creates a wonderful dynamic...

...them (Figure 1). The advantage of a standard interface is that it helps keep prices **low** but, perhaps more important, spurs diversity. Companies can focus on individual pieces of the service...handle new services (see sidebar "Soft gateways"). Modules make an effective compromise between overprovisioning and **replacement**.

DESIGNER, KNOW THY MARKET

You should note that the home market is significantly different from the small-office or enterprise markets. **Consumer - level** products are far more price-sensitive than enterprise products. In your home, there is no...

...of use. Instead of having to create a PC application to manage the gateway, the **embedded server** creates dynamic pages to monitor and configure the gateway from any node in the LAN...can route the category 5 in an aesthetically pleasing way. Given its maturity, robustness, and **low** cost, Ethernet is probably the best choice of interface for this type of setup. Putting...know your vendor's agenda. Some companies want to sell parts to OEMs only in **low** quantities. When your product becomes successful, however, and the margin on the ICs drops, these...

...access device, a term that often replaces the term "gateway"

LAN: All the computers and **peripherals** in a given space, such as a home or an office

Wired-home-networking options...

...connectivity to every point in a SOHO network; allow simultaneous sharing of resources, such as **printers** or storage; provide for a shared Internet with WAN access to all nodes on the...Affordable features

SOFT GATEWAYS

Various cost implementations exist for gateways; the most expensive is a **full** hardware implementation. One way to reduce the cost of deploying a gateway is to eliminate...

...is SmartLink, with DSLsnapp. Running on a PC, DSLsnapp filters incoming traffic using NAT (a **full** firewall is on the product-family road map) and manages the LAN using HomePNA adapters...

...vendors have made early on. Such mistakes, including poor voice quality from a combination of **low** -bit-rate codecs and unpredictable latency, have negatively affected initial VoIP adoption. To ensure voice...

...you can place directly on the ATM stack. The device appears as a memory-mapped **peripheral** to the main processor. It also provides A/D and D/A features, as well...reliable as the 99.9990% active PSTN. Occasionally, DSL providers shut down the network for **maintenance**, which can be inconvenient for Internet businesses. Additionally, in a disaster, people need to have...

...an increasingly smaller percentage of total network bandwidth. Uncompressed voice runs at 64 kbps, and **low** -bit-rate codecs can run as slow as 8 kbps, with additional quality loss if...connection (AFE and data pump); processor cores (MIPS, ARM, and DSP) for voice processing and **data routing**; and interface cores, such as ATM, Ethernet MAC/PHY, switch fabrics, Bluetooth, HomeRF, and HyperLAN...

33/3, K/52 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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12968416 SUPPLIER NUMBER: 69200222 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Quantum/ATL and Network Appliance Inc. Announce NAS Backup Solution for
Filers.

Business Wire, 0122
Jan 16, 2001
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1378 LINE COUNT: 00134

... automated tape library solution directly to a network. The role of the switch is to **route** **data** and control commands to the P3000 library. Using GbE switching allows NetApp filers and the...

...options in building their IT infrastructures."

ATL's Prism Management Card (PMC) is a powerful **embedded server** able to handle a multitude of tasks including Network Data Management Protocol (NDMP) responsibilities. The...

...performance of network applications.

The NAS backup solution is now shipping, with pricing for the **full** solution starting at \$145,000.

About Network Appliance

Network Appliance, Inc., a veteran in network...

...DESCRIPTORS: Computer **peripherals** industry

33/3,K/53 (Item 4 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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12663679 SUPPLIER NUMBER: 65858647 (USE FORMAT 7 OR 9 FOR FULL TEXT)
2000 embedded systemspreview. (Buyers Guide)
EDN, 45, 19, 45
Sept 14, 2000
DOCUMENT TYPE: Buyers Guide ISSN: 0012-7515 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 1783 LINE COUNT: 00164

Enhanced USB **peripheral** controller
* Memory - management architecture allows the USB97C102 to sustain the USB's maximum theoretical bandwidth...

...ports, one parallel port, and an SSD socket
* Suitable for mobile applications that require a **low** -power and **low** -heat SBC, WBT, thin client, STB, Web Phone, and other information appliances
* Maximum resolutions of...

...508-872-7675, www.cmx.com
Enter No. 360 at www.rscahners.ims.ca/ednmag/
Embedded server
* Accelerates and simplifies the development of multithreaded applications requiring an embedded database
* Supports business applications...

...Includes memory controllers, interrupt controllers, and virtual network controllers
* Free platform comprises processor models, hardware/ **peripheral** models, and testbench/human-interface models
Virtio Corporation, 1-408-341-0844, www.virtio.com...

...for PCI applications with either single- or dual-PCI PowerSpan device
* Includes PC-100 compliance, **full** ECC support, and a generic 8-bit Flash ROM interface
* PowerPro, \$20
Tundra Semiconductor Corp...

...Programmable crystal oscillator
* Plastic 5 X 7-mm oscillator shortens lead times with drop-in **replacement**
* Half the size of other plastic packages and mechanically and pad-layout-compatible with 5...
...rscahners.ims.ca/ednmag/
Configurable processor
* Vectra DSP co-processor provides high data throughput and **low** power dissipation
* Configurable for 8-, 16-, and 42-bit fixed-point applications
* License fee, \$150...

...ca/ednmag/
Real-time debugging tool
* Reduces development time of OSEK-based automotive designs
* Offers **low** -cost alternative to in-circuit-emulation techniques

Ginger Roberts DeMille

* Upgrade from 68HC12 BDM through license
* Flex-BDM...330-864-2300, www.accelent.com
Enter No. 374 at www.rscahners.ims.ca/ednmag/
Low-power programmable system devices
* Provide 100% in-system-programmable concurrent flash memory, SRAM,
programmable logic...

...ednmag/
Development-environment support
* Supports real, extended, and protected modes for X86 development
* Includes a full-featured source-code editor, code browser,
optimizing compiler, assembler, debugger, and version control
* C++, from...

...controller for systems without an IDE host controller or systems that
need additional IDE storage **peripherals**. The PCI-649 targets the
32-bit-wide, 33-MHz PCI bus with an internal...

...LabView Player lets you operate Lab-View applications even if you don't
own the full package. LabView 6i starts at \$995. Upgrade prices for
earlier versions begin at \$395. National...

33/3,K/54 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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11726519 SUPPLIER NUMBER: 59206899 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Sun Microsystems and InterWorld Deliver E-Commerce Solution Set for the
Retail Industry.**
Business Wire, 1103
Feb 7, 2000
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1074 LINE COUNT: 00100

... Sun logo, Sun Developer Essentials, Sun Developer Connection,
PersonalJava, Java Card, Java TV, Jini, Java **Embedded Server**, Java, The
Network Is The Computer, are trademarks or registered trademarks of Sun
Microsystems, Inc...

PRODUCT/INDUSTRY NAMES: 3573000 (Computers & **Peripherals**); ...

...3661250 (**Data Communications Systems**

33/3,K/55 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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11592941 SUPPLIER NUMBER: 56024326 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tools And Protocols Link Embedded Systems Over The Internet.
WILLIAMS, TOM
Electronic Design, 45, 17, 91
August 18, 1997
ISSN: 0013-4872 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2625 LINE COUNT: 00207

... devices were small, dedicated instruments, for example, it would
still be possible to access the full, up-to-date user manual on the whole
system simply by having a link from...

...Most all of what goes on with embedded Internet devices is dynamic. The server is **sending** changing **data** at a periodic rate. That data may dynamically change graphical elements representing gauges or other...

...closely link the display to the data. WindWeb uses dynamic "value tags" that get to **variables** and **functions** within the application and speed the update between the user and the remote device.

A...

...i.e., the HTML pages or user interface elements that will be placed on an **embedded server**, from the programming or the actual code that runs the device. The content developer, who...

...a graphics designer than a programmer, can link files in a form, for example, to **function** calls in the **program** through a symbol table created by the application programmer. That way; the page developer need...

...at the time of the request. Either way, the CGI application has a way to **communicate data** and parameters with the browser. HTML (or Java applets) can be used to build a...toolkit (AWT) of pure Java, but Newmonics is trying to define a subset of the **full** AWT functions for building user interfaces in embedded systems. This means that there's probably...

...bulk of the software functionality must reside on the client system and not on the **embedded server**.

EMIT implements a very small, special-purpose web server that can fit in just 750...

...can be manipulated for control. These emObjects are contained in a library of small, **pre-programmed functions**. These **functions** are small Java applets that reside on the client side rather than the **embedded server** side. Each microtag is associated with an emObject on the client side and with a...

...data actually exchanged are the microtags containing IDs and variables, the network traffic is very **low**.

Normally, an EMIT system would exist on a private dialup or closed network using the...on a new paradigm for printing. The company has developed an HTML interpreter for OEM **printer** manufacturers that let a **printer** download and print pages directly from the web. In current desktops, web pages can be printed, but only indirectly by translating the HTML page format to the **printer**'s native language such as Postscript, PCL, or GDI.

The HTML interpreter is the first...

...system it calls Power-Page Internet Printing System (PIPS). As a system embedded in a **printer**, PIPS could be used with browser technology that Pipeline is licensing from other vendors to...

...the browser technology, it can support its own web page. Users could then access the **printer** remotely to tell it to get certain pages that can't be printed from a...

...on the Hewlett-Packard PA-RISC architecture. The W90100 microcontroller contains a rich mix of **peripherals** designed for imaging, including integrated JBIG compression technology, parallel and serial interfaces, and an 80486...

33/3,K/56 (Item 7 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB

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09706815 SUPPLIER NUMBER: 19708677 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Multiport MACs debut for low -cost Ethernet. (Texas Instruments TNETX3100; Oki Semiconductor MAC8110 media-access control chips) (Product Announcement)

Wirbel, Loring
Electronic Engineering Times, n967, p66(1)
August 18, 1997

DOCUMENT TYPE: Product Announcement ISSN: 0192-1541 LANGUAGE:
English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 952 LINE COUNT: 00078

Multiport MACs debut for low -cost Ethernet. (Texas Instruments TNETX3100; Oki Semiconductor MAC8110 media-access control chips) (Product Announcement)

ABSTRACT: Texas Instruments (TI) and Oki Semiconductor are introducing new high-density, low -cost media-access control (MAC) parts for 10/100Mb Ethernet systems. TI's TNETX3100 device...

...device leverages the advanced features of the company's backbone ThunderSwitch chips. The TNETX3100 offers full -duplex functionality on all ports and the switching MACs can be individually configured to support
...

...MACs and is designed for shared-media Ethernet hubs. Each of the eight ports offers full - and half-duplex flow control and the device has a full PCI systems interface. The MAC8110 is priced at \$45 in small quantities.

TEXT:

...from Texas Instruments Inc. and Oki Semiconductor Corp. (Sunnyvale, Calif.) to emphasize high density and low cost.

... pursuing different workgroup-to-desktop markets, however. TI is taking its ThunderSwitch architecture into very low cost "pizza box" platforms, providing OEMs with a chip that combines eight 10-Mbit switched
...

...Mbit switched MACs. The company is going to unprecedented lengths to provide reference designs for low -cost switches, under the assumption that the shared-media hub is dying.

Oki is taking...

...of its backbone ThunderSwitch chips to the new TNETX3100 8/2 device. The device provides full -duplex functionality on all 10 ports, and allows each switching MAC to be configured independently...

...or cut-through switching. Neela Patel, product marketing manager for the 3100 switch, suggested that low -end pricing does not imply OEMs will accept low -end switching functionality.

Price is another story. TI is aiming for a full OEM bill-of-materials cost of about \$15 per port. That implies not just keeping
...

...partners have made it clear that a true retail/reseller market for workgroup switches requires full systems to be priced as low as \$500.

TI has made the architecture expandable for those OEMs that want to add...

Ginger Roberts DeMille

...expands MAC address support to 1,952 addresses, and adds VLAN segmentation capabilities. An additional low -cost microcontroller could expand network-management support for designers wishing to make a scaled family...

...for local boot-up and auto-configuration. TI has used the chip to build a full reference system with Gerber tape information, bill-of-materials for a reference board, and even...

...of action left in shared-media hubs for the Fast Ethernet world, particularly for a low -cost market where advanced network management and VLAN features are required. "We wanted to make sure all eight ports of the MAC supported full autonegotiation and autoselection of 10- or 100-Mbit services," said Ron DiGiuseppe, manager of applications...

...tagging, nine groups of RMON and similar features," he added.

The eight-port MAC8110 offers full - and half-duplex flow control on each of its eight ports, using carrier-sense for half-duplex and 802.3x standards for full -duplex. Logic on each MAC channel supports large packets for VLAN tagging, as well as...

...64 bytes. The total FIFO bus bandwidth exceeds 4 Gbits/second.

The chip includes a full PCI interface for systems , such as embedded servers, based on the Peripheral Component Interconnect bus. The seven-wire interface to physical-layer devices gives designers the choice of using 10-Mbit/s PHY chips, or a media-independent interface for full 10/100 PHY chips.

The MAC8110 is fabricated in a 3.3-V, 0.35...

...array. VHDL models of the device are available now, with samples slated for September and full production set for early 1998. Price in small quantities is \$45.

Texas Instruments: (800) 477...

33/3,K/57 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09437011 SUPPLIER NUMBER: 19330519 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Embedded server core demonstrates the feasibility of high-performance
and low -cost network computing.

Nass, Richard
Electronic Design, v45, n5, p32(2)

March 3, 1997

ISSN: 0013-4872 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 994 LINE COUNT: 00084

Embedded server core demonstrates the feasibility of high-performance
and low -cost network computing.

...ABSTRACT: integrates Mylex's hardware and software technology with a high-performance microprocessor resulting in a low -chip-count embedded network server called NetEngine. The concept is expected to make obsolete the...

... advanced hardware and software technology with a high-performance microprocessor. The result is a low -chip-count embedded network server the company calls NetEngine. Incorporating industry-standard peripheral and network connections as well as a real-time operating system, NetEngine is said to form the basis of a complete network server in a very small and low -cost package. NP&L estimates that the technology will be available

later this year for...

...at reversing this trend and bringing back the decentralized approach. According to its developers, this **embedded server** idea has a large number of advantages over conventional general-purpose file servers.

The NetEngine...

...and expansion slots are all eliminated, with a resultant cost and space savings. Moreover, an **embedded server** doesn't require the user to purchase or learn how to operate a network operating...

33/3,K/58 (Item 9 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

07613858 SUPPLIER NUMBER: 16563900 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The move to electronic commerce gets under way. (carrier networking)
companies develop new commercial services) (includes related article)
Arnum, Eric
Business Communications Review, v24, n12, p28(5)
Dec, 1994
ISSN: 0162-3885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3652 LINE COUNT: 00291

... Asynchronous Transfer Mode). These networks are much smarter, but they use their intelligence primarily to **route information** --to carry it faster and more efficiently than dial-up modem connections or dedicated lines...into the Egghead system and an acknowledgment is E-mailed to the customer along with **notification** of a shipping date. The order invoice is shipped with the product."

3M will be...

...and is very technical--support information, product literature, pricing information, etc."

Rather than printing and **sending** the **information** to the customer, Compaq will send it via Network Notes and let the customer decide...hours a week are often not only tolerated, but occasionally scheduled for activities like routine **maintenance**. John Petrillo, president of AT&T Business Communications Services, noted that Lotus's staff was...

...a month."

Perhaps the biggest challenge is providing network management for hundreds or thousands of **embedded servers**, and for the thousands of customers who see Network Notes as an extension of their...

...As such, he is pushing AT&T into services that compete with the post office, **printers**, couriers and even truckers. He is taking the term "carrier" to its logical limits: carrying information to a remote **printer**, thus avoiding (at least) the cost of printing and postage.

The publisher avoids the cost...

33/3,K/59 (Item 1 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)
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02168889 SUPPLIER NUMBER: 20424688 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Consumer Electronics Get Wired. (Web-server enabled embedded systems)
(Internet/Web/Online Service Information)

Nicolaisen, Nancy

Computer Shopper, v18, n4, p492(1)

April, 1998

ISSN: 0886-0556

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 2653

LINE COUNT: 00224

architecture, Web technology brings new capabilities and economies to the

development and **maintenance** of consumer electronics devices
As chip prices continue to drop, digital intelligence, in the form...

...Devices that are controlled primarily by onboard firmware reap one of the

biggest advantages of **embedded - server** technology. Updating the code in such devices today is often both expensive and risky because it may require actual physical **replacement** of firmware chips. By contrast, embedded Web server technology allows a device to update its...

...in applications

such as shop-floor control, medical surveillance, or facilities monitoring. In

these settings, **embedded server** technology provides an immediate fiscal

windfall because users essentially delegate the labor and expense of ...for

multithreading or multitasking is crucial.

Take, for example, a simple case such as a **printer**. **Printer** software has to

accept input on an I/O port, signal flow-control back out...

...probably accept some form of control

panel input as well. In this hypothetical case, the **printer**'s control software

must coordinate and intermediate at least these four tasks. Adopting a tool...

...development toolset, the VRTX real-time operating system (RTOS), the Xtrace Software Monitor, and a **full** complement of tools for host/target communication. Microtec's VRTX operating systems are some of...

...and message priority. The OS process manager lets you

launch processes across network connections, with **full** inheritance of

environment settings, open files, and current directory.

The most innovative and exciting aspect of the QNX OS architecture is its

message-based nature. Though the system supports a **full** suite of user-level

TCP/IP facilities, the actual implementation of interprocess communication in

QNX...of the QNX tools is the company's Photon

microGUI. Photon is a compact but **full** -featured windowing system that

integrates the Spyglass Web Server with a graphical e-mail facility...

33/3,K/60 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02069433 SUPPLIER NUMBER: 19414137 (USE FORMAT 7 OR 9 FOR FULL TEXT)
My, my, Mylex. (Mylex's NetEngine embedded server technology) (Company Business and Marketing)
Biagi, Susan
Network VAR, v5, n5, p10(3)
May, 1997
ISSN: 1082-8818 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1626 LINE COUNT: 00124

My, my, Mylex. (Mylex's NetEngine embedded server technology) (Company Business and Marketing)

ABSTRACT: Mylex is testing its NetEngine **embedded server** technology, which is designed to **transmit data** quickly across overloaded networks. The NetEngine technology is embedded on a board that uses Intel...

TEXT:

...s tight purse strings make that an unlikely option. You need a device that will **transmit data** quickly, but won't cost much.
Good news. Mylex's (Fremont, CA) new network light and power division recently announced an **embedded server** technology, called NetEngine, that is designed and optimized to "move data, and move it quickly..."

...the device and modify, configure, and manage it through a Web browser. The support and **maintenance** margins in this area could be great for VARs. Say your customer has one or...

...client. This takes the general network server out of the equation.
As a server, no **peripheral** devices are required. A VAR can install it in a small device or a drive...

33/3,K/61 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01857056 SUPPLIER NUMBER: 17420436 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The new workgroup servers.(includes related article on other workgroup servers) (Cover Story)
Price, Josh; Vijay, Bharat
DBMS, v8, n10, p44(8)
Sep, 1995
DOCUMENT TYPE: Cover Story ISSN: 1041-5173 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7881 LINE COUNT: 00648

...ABSTRACT: distributed database, a specialized database for specific applications such as decision support, and as a **low** -cost platform for the development of DBMS applications.

... 4.2 for Windows NT. Microsoft SQL Server 4.2 for Windows NT was a **full** -featured relational server with GUI-based administration tools far beyond anything available in other products...

...software prices to support a particular workload and lower overall cost of ownership, including administration, **maintenance**, technical support, training, and application development.

This strategy feeds on the rapidly improving price/performance...
...a brief period, the significant differences between "large" and "small" systems will be primarily in **peripherals**, multiprocessor scalability, specialized operating system features intended for database applications, and the level of service...

...are needed. A workgroup server is:

- * a primary database server for small organizations with no **full** -time DBA
- * a server for departmental applications in a large organization
- * a server embedded in...

...within a large organization

- * occasionally connected systems, such as remote or mobile systems that require **full** -time database access but for which it is not cost effective to maintain a **full** -time network connection
- * a **low** -cost platform for application development

Although these potential roles are quite diverse, they all share...

...servers still require a fair amount of attention from an experienced DBA for configuration and **maintenance**, however. DBAs are not cheap, and most experienced DBAs would not consider a job maintaining...

...maintain most servers, a small organization will often find that DBA support is not a **full** -time job.

Obviously there are solutions, such as relying on consultants or training existing IS...new degree of complexity for DBAs. Having multiple servers automatically increases the number of necessary **maintenance** tasks, yet these tasks may be nearly identical on many of the servers involved. The only way to handle these **maintenance** tasks (aside from hiring more DBAs) is to automate them. Therefore, features for remote and

...
...from Watcom International Inc. (a Sybase company) is no longer only a product for the **embedded server** market. Its server product offerings now also target **low** -end workgroup applications, especially those that are widely distributed or have strict hardware constraints. Watcom...path between Watcom SQL and SQL Server, Watcom will have a significant edge in the **low** -end workgroup market.

We see Watcom as a key player in the mobile computing market...

...should provide more indepth information on all areas of the product, especially product architecture and **maintenance**.

Gupta SQLBase 6.0

SQLBase will continue to go head to head against Watcom SQL in the shrink-wrapped, **low** -end workgroup and mobile computing markets. While there are some similarities between the two in...

...yet another language.

SQLBase definitely has the feature set to hold its ground in the **low** -end workgroup market with tools and tuning knobs. We found that the administrative tools offer...vendors.

Microsoft SQL Server 6.0

By partnering with Sybase to market and develop a **low** -priced version of SQL Server for OS/2 and Windows NT, Microsoft gained a strong...

...IS group. If you were willing to run on Windows NT, you could get a **full** version of SQL Server for considerably less than Sybase would sell it.

Microsoft released SQL...

...Server management functions (called Distributed Management Objects, or DMOs), performance improvements for table scans, and **maintenance** functions such as DBCC, update statistics, server-side cursors, and declarative referential integrity. Microsoft is...

...of the first workgroup databases to offer GUI-based utilities for routine system administration and **maintenance**, and is the first to offer database management in the form of OLE automation. The performance additions, such as parallel scans and **maintenance** performance improvements like DBCC, update statistics, and index creation, do not require complex setup and on NT Workstation with **full** -fledged replication functionality to support the online computing market.

It is also fair to question...

...level locking. The product is going head to head against Microsoft SQL Server as a **low** -cost, **full** -functionality departmental workgroup server. A big plus with Oracle7 is that if you are not...

...tools such as Visual Basic. We used Oracle Objects for OLE as a drop, in **replacement** for the Visual Basic data control, and found it to be a high-performance mechanism...Sybase is in a unique position among the DBMS vendors. The Watcom offering at the **low** end allows Sybase to scale down into shrink-wrapped applications, mobile computing, and **low** -end workgroups. Its workgroup server on Windows NT and NetWare, in conjunction with its offering...

...a charge per server.

With Watcom adding support for Transact SQL, the code on the **low** -end Watcom system will scale to Sybase System 10. Also, with Watcom adding Sybase-like...several desktop, notebook, or smaller-sized computers, Gupta and Watcom are the leaders in providing **low** -cost servers. While functionally similar, Gupta goes much farther in providing convenient system administration and...

...have just begun to address the special requirements of workgroup servers for trouble-free operation, **low** -cost administration, and distributed data with occasional connections. Some major steps have been made in...

...still evolving. Heterogeneous replication is still an arduous task, but for at least some applications, **low** -end vendors such as Gupta and Watcom are preparing products to simplify it.

* Gupta Corp...

...writers in the transaction system). Other features in version 4.0 include stored procedures, event **aleters**, triggers, BLOB filters, and declarative ...in the shrink-wrapped relational database market, we see an interesting war developing in the **low** -end workgroup and mobile computing areas.

* Btrieve Technologies Inc., 8834 N. Capital of Texas Hwy...

33/3,K/62 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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1912269 Supplier Number: 01912269 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Networking Chips -- Oki tunes traffic management for shared media hubs; TI pitches thunderswitch for 'Pizza Box' platforms -- Multiport MACs debut for **low** -cost Ethernet
(Texas Instrument and Oki Semiconductor are both offering solutions for

low -cost Ethernet for desktop computers)
Electronic Engineering Times, p 66
August 18, 1997
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 843

(USE FORMAT 7 OR 9 FOR FULLTEXT)
...for shared media hubs; TI pitches thunderswitch for 'Pizza Box'
platforms -- Multiport MACs debut for low -cost Ethernet
(Texas Instrument and Oki Semiconductor are both offering solutions for
low -cost Ethernet for desktop computers)

ABSTRACT:

...TI) Inc and Oki Semiconductor Corp (Sunnyvale, CA) have each introduced solutions for high-density, low -cost solutions for 10/100-Mbit Ethernet systems for the next generation multi-access control...

TEXT:

...from Texas Instruments Inc. and Oki Semiconductor Corp. (Sunnyvale, Calif.) to emphasize high density and low cost.

The two companies are pursuing different workgroup-to-desktop markets, however. TI is taking its ThunderSwitch architecture into very low cost "pizza box" platforms, providing OEMs with a chip that combines eight 10-Mbit switched...

...Mbit switched MACs. The company is going to unprecedented lengths to provide reference designs for low -cost switches, under the assumption that the shared-media hub is dying.

Oki is taking...

...of its backbone ThunderSwitch chips to the new TNETX3100 8/2 device. The device provides full -duplex functionality on all 10 ports, and allows each switching MAC to be configured independently...

...or cut-through switching. Neela Patel, product marketing manager for the 3100 switch, suggested that low -end pricing does not imply OEMs will accept low -end switching functionality.

Price is another story. TI is aiming for a full OEM bill-of-materials cost of about \$15 per port. That implies not just keeping...

...partners have made it clear that a true retail/reseller market for workgroup switches requires full systems to be priced as low as \$500.

TI has made the architecture expandable for those OEMs that want to add...

...expands MAC address support to 1,952 addresses, and adds VLAN segmentation capabilities. An additional low -cost microcontroller could expand network-management support for designers wishing to make a scaled family...

...for local boot-up and auto-configuration. TI has used the chip to build a full reference system with Gerber tape information, bill-of-materials for a reference board, and even...

...of action left in shared-media hubs for the Fast Ethernet world, particularly for a low -cost market where advanced network management and

Ginger Roberts DeMille

VLAN features are required. "We wanted to make sure all eight ports of the MAC supported full autonegotiation and autoselection of 10- or 100-Mbit services," said Ron DiGiuseppe, manager of applications...

...tagging, nine groups of RMON and similar features," he added.

The eight-port MAC8110 offers full - and half-duplex flow control on each of its eight ports, using carrier-sense for half-duplex and 802.3x standards for full -duplex. Logic on each MAC channel supports large packets for VLAN tagging, as well as...

...64 bytes. The total FIFO bus bandwidth exceeds 4 Gbits/second.

The chip includes a full PCI interface for systems , such as **embedded servers** , based on the **Peripheral** Component Interconnect bus. The seven-wire interface to physical-layer devices gives designers the choice of using 10-Mbit/s PHY chips, or a media-independent interface for full 10/100 PHY chips.

The MAC8110 is fabricated in a 3.3-V, 0.35...

...array. VHDL models of the device are available now, with samples slated for September and full production set for early 1998. Price in small quantities is \$45.

33/3,K/63 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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1785292 Supplier Number: 01785292 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Mylex: Embedded Server Technology
(**Mylex Corp has introduced its NetEngine Technology, a controller board to be integrated with hard drives**)
Computer Reseller News, n 726, p 71+
March 10, 1997
DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 577

(USE FORMAT 7 OR 9 FOR FULLTEXT)
Mylex: Embedded Server Technology

ABSTRACT:

...for workgroups. The firm will soon offer a basic enclosure incorporating the NetEngine technology; this **embedded server** technology is aimed at dedicated applications. NetEngine is platform- and operating system-independent.

TEXT:

...Fremont, Calif.

For VARs building network-attached storage servers, Mylex Corp. is positioning its new **embedded server** technology as a simple, cost-effective solution.

The company introduced its NetEngine technology, a controller...

...incorporating the NetEngine technology a month or two after its product release, Woods said.

This **embedded server** technology is specifically targeted at dedicated applications, such as network-attached storage.

VARs building their...

...systems can integrate the 3.5-inch board into a storage enclosure to offer a **low -cost** server dedicated to moving files, according to Woods.

NetEngine is platform- and operating-system...

...O, LAN and storage architectures into embedded, extensible, 3.5-inch footprint.

General-Purpose Server

Embedded Server

Complex machines with many parts and high costs

Designed to crunch numbers

Centralized processing with...

PRODUCT NAMES: **Peripheral** controller boards and cards (367936)

33/3, K/64 (Item 3 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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1773876 Supplier Number: 01773876 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Mylex Offers Server On-Board

(Mylex Corp introducing server on a board; will allow for low -cost, plug-and-play servers)

Electronic Buyers News, n 1048, p 26

March 10, 1997

DOCUMENT TYPE: Journal ISSN: 0164-6362 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 411

(USE FORMAT 7 OR 9 FOR FULLTEXT)

(Mylex Corp introducing server on a board; will allow for low -cost, plug-and-play servers)

TEXT:

Embedded Technology Promises Cost Savings

By Tom McHale

Fremont, Calif. -- Mylex Corp.'s new **embedded - server** technology, NetEngine, will enable manufacturers to slash the cost of network servers and bring plug...

...for \$1,000, a price it said is less than half the cost of current **low -end**, PC-type servers.

NetEngine integrates Mylex's networking hardware and software -- including industry-standard **peripheral** and network connections and a real-time operating system -- with an Intel 1960 processor to...

Ginger Roberts DeMille

...market is worth an estimated \$8.6 billion, according to Dataquest Inc., San Jose.

The embedded server marks a totally new approach to the server business, Brashier said. "This is aimed at..."

...Data Corp., Framingham, Mass. Lahive said that a number of new opportunities arise from the **embedded - server** approach, including storage toasters.

Brashier said he expects NetEngine products will start shipping in the...

33/3,K/65 (Item 1 from file: 20)
DIALOG(R) File 20:Dialog Global Reporter
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20130820 (USE FORMAT 7 OR 9 FOR FULLTEXT)
e-business: Windows XP mix and match
BIRMINGHAM POST
December 04, 2001
JOURNAL CODE: FBMP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 576

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... from petrol pumps to casino gaming machines to television set-top boxes are ripe for **replacement** as their aging proprietary software proves unable to handle demanding new tasks, Mr White said...

...system is found in Microsoft's Xbox video game console.
Microsoft is also working on **embedded server** software that will let customers set up powerful network computers that excel at a single...

... broadcasting audio and video on the Internet, Mr White said. That product, the Windows.NET **Embedded Server**, would likely be out in the second half of next year, he added.

Meanwhile, Microsoft...

SIC CODES/DESCRIPTIONS: 3577 (Computer **Peripheral** Equipment NEC); 7372 (Prepackaged Software); 5961 (Catalog & Mail Order Houses)

NAICS CODES/DESCRIPTIONS: 334119 (Other Computer **Peripheral** Equipment Mfg); 51121 (Software Publishers); 45411 (Electronic Shopping & Mail-Order Houses)

33/3,K/66 (Item 2 from file: 20)
DIALOG(R) File 20:Dialog Global Reporter
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18446026 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Virata: Virata delivers the first Windows XP compatible, fully integrated UPNP/NAT solution on silicon for Internet gateway devices; Virata's UPnP with NAT traversal solution will enable gateways to deliver services such as messaging, online gaming and Wi

M2 PRESSWIRE
August 22, 2001
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 976

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Virata Corporation today announced the **full** integration of Universal Plug and Play (UPnP) Internet Gateway Device specification for NAT traversal into...

... Me and Windows XP that enables network devices of all forms, such as PCs, PDAs, **printers**, broadband routers, consumer electronics, etc., to be truly plug and play on the home network...

... the gateway's web interface, being powered by EmWeb Server, a HTTP 1.1 compliant **embedded server**, when the Virata solution is used.

What is NAT Traversal?

By interfacing NAT software with...

33/3,K/67 (Item 3 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
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17185714 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Force Announces Faster 'Universal-Mode' SPARC SBC for Packet-Switching Backplane Applications

BUSINESS WIRE

June 12, 2001

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 803

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Backplane applications. It provides an ideal solution for third-generation wireless, IP telephony, high-density **embedded servers** for Internet data centers and other demanding telecom/data comm applications in need of advanced...

...Four USB and two Wide Ultra3 SCSI (LVD) interfaces

-- One PCI mezzanine card (PMC) slot

-- **Full** Hot Swap specification compliance (PICMG 2.1, R2.0)

-- PICMG 2.9-compliant IPMI controller...

... memory buffers allow data transfers across the CompactPCI bus without interruptions that can slow performance. **Full** Hot Swap support enables the creation of zero-downtime, High Availability solutions and allows SBC ...

... With universal-mode capability, SENTINEL chip-based SBCs can operate in either the system or **peripheral** slots of a CompactPCI system. SENTINEL chip-equipped SBCs are targeted at applications in telecommunications, **data communications**, semiconductor test equipment, mass storage systems and high-end graphics applications such as radar.

6...

33/3,K/68 (Item 4 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
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16263549 (USE FORMAT 7 OR 9 FOR FULLTEXT)

PTSC Announces New PCI to e-Bus Bridge for Integration of Ignite I Microprocessor in a Dual Processor Architecture

BUSINESS WIRE

April 20, 2001

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 472

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... NT, Windows(R) 2000 and Linux enables developers to integrate our OSGi solution as a **peripheral** component of a PC architecture. Custom drivers and API enable communication between master and slave processors at **full** PCI bus speed. The bridge card supports up to four IGNITE development modules typically, Processor...

...Serial (ISM) and Memory (IMM). Combined with our vxPresso software suite and Sun Microsystems' Java **Embedded Server** (TM) 2.0, the bridge with IPM and INM cards provides a complete OSGi solution...

... trademarks or trademarks of Microsoft Corp. in the United States and/or other countries. Java **Embedded Server**, Sun and Sun Microsystems are trademarks or registered trademarks of Sun Microsystems Inc. in the...

33/3,K/69 (Item 5 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
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16092755 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Force Introduces Flexor System 2 Embedded Server for High-Density Rack-Mount Applications

BUSINESS WIRE

April 10, 2001

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 819

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Force Introduces Flexor System 2 Embedded Server for High-Density Rack-Mount Applications

... computing, today at the Embedded Systems Conference trade show introduces the Flexor(TM) System 2 **embedded server** for high-density rack-mount applications.

Designed for space-constrained environments, the System 2 server...

...with up to 21 units in a standard 19-inch, 6-foot rack. With three **full**-length 64-bit PCI option slots, one half-length 64-bit PCI option slot and

...5.25-inch drive bays

-- Operator control panel (OCP) including power, thermal, fan and disk **status**; two user-**programmable** LEDs; Ethernet link/activity indicator; and HEX display
-- 385W PSU (option for redundant PSUs)
-- Optional...

...at US\$1,999.

Embedded Systems Conference demonstration

Force will demonstrate the Flexor System 2 **embedded server** in San Francisco, Embedded Systems Conference, Moscone Center, Booth 2718, April 10-13. For trade...

... combine to create platforms to match customer requirements. PICMG passive backplane technology offers advantages of **low** -cost **peripherals** and I/O cards from the PC market but with flexibility and reliability

standard PCs...

33/3, K/70 (Item 6 from file: 20)
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11598384 (USE FORMAT 7 OR 9 FOR FULLTEXT)

How to Sell - Part 5 - It all adds up.

PC DEALER, p60

June 21, 2000

JOURNAL CODE: WPCD LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 2263

(USE FORMAT 7 OR 9 FOR FULLTEXT)

As PCs become more distinctive in the years ahead, so will the **peripheral** products that are attached to them. The 'lifestyle' product is here to stay, and this...

... it will be very important to move fast and respond to the latest fashion in **peripheral** products.

Reflecting the need to watch the market more closely, Nick Amer was recently appointed...

... WAP products will create a whole new market for core devices as well as for **peripherals**. Webcams and Internet-based videoconferencing will become more significant and usable, taking the 'plug' out...

...the year, improving performance dramatically.

Even cheap Webcams already have fairly advanced features, such as **low**-light adjustment for dull conditions, and are easily moved between machines because of USB's...position to the length of a cable.

Projectors are a massive growth area in the **peripherals** market. Amer says that as well as permeating the business world, projectors are now becoming...

... who use a network projector will be able to send print commands to a network **printer** directly from the projector, search and retrieve certain files from the corporate network and browse...

... and-play interfaces, especially USB and Bluetooth, will be extremely important in the development of **peripherals** over the next two years.

USB has already become the standard entry-level interface for...

... accessory as standard, although there could be a consumer backlash as they realise that a **low**-cost scanner will not produce as good a scan as the same-priced product that...

...now own a PC, and 78 per cent of all PCs are purchased with a **printer**. Increasingly, these **printers** will be used for colour output and home photo studio work. Ease of printing may be the driver for most users, but quality will also be important.

Large-format **printers** are expected to become more capable and popular as companies bring basic print needs in-house. Paul Hinkins, UK business manager for large-format **printers** at Hewlett-Packard (HP), says products will become wider and faster and will deliver a...

...investing a lot of time and effort in achieving this goal."

HP plans to develop **printers** that will print photographs on indestructible paper, or Web-connected **printers** that will print

newspapers and tickets online. " **Printers** will be defined by service delivery, not just by how fast they print."

Dermot Hegarty, UK operations manager at **printer** vendor GCC Technologies, believes we will see more combination devices, capable of multifunctional printing and...

...affect the demand for SAN solutions."

What's in store

An exciting development in storage **peripherals** is 'infiniband' technology.

This will bring applications and storage networks back together again ...the strongest influences on products.

Both NAS and SAN technologies are creating a need for **peripherals** to have **embedded servers** and network-attached or Fibre Channel capability, says Sleep. "NAS enables organisations to add storage..."

... 2.0, Firewire and Fibre Channel will greatly influence the development of plug-and-play **peripherals** in the future.

- Bluetooth will help to open up the **peripherals** market by making it possible to move **peripheral** devices between localised piconets very easily.

- Projectors will sell easily as they become better, cheaper...

... Network attachment of modular storage and scanners/projectors will become much easier.

- Multifunctional and combinational **peripherals** will continue to develop and become less of a compromise to the user.

Appearing in...

NAICS CODES/DESCRIPTIONS: 33411 (Computer & **Peripheral** Equipment Mfg)

33/3,K/71 (Item 7 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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11291704 (USE FORMAT 7 OR 9 FOR FULLTEXT)

How to sell - Part 2 - Adding colour to sales.

PC DEALER, p34

May 31, 2000

JOURNAL CODE: WPCD LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 2169

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Colour is what's driving the sale of **peripherals** in today's economy, and much of that demand is in the consumer market. PC...

...manipulation, offering digital cameras and scanners as part of a bundle. The excellent quality of **low -cost inkjet printers** has helped this market develop, and it looks set for further growth.

In addition, the...

... the business-to-business sector, specific applications-driven growth areas are also boosting sales of **peripherals**. One example is document management, often part of a supply chain management system, which is...

... with the growth in digital manipulation of photographs and the advances in delivering high-quality, **low -cost colour output**.

Andrew Kelly, general manager of **peripherals** at Computer 2000, is

expecting the growth in colour and Internet use to drive scanner...

... to be catching on with consumers and has undoubtedly been helped by the advances in **low** -cost colour output, particularly from vendors such as Hewlett-Packard and Epson.

While digital cameras...

...digital images into the computer at the moment, one developing area that could fuel more **peripherals** sales over the next two years is digital video and other Web camera-related applications...

... of email and chat sites is growing, and video email extends these alternatives by offering **low** -cost, face-to-face contact," he says.

Portable Webcams that can be used for video...software technology that allows the projector to be managed on the network like any other **peripheral**.

InFocus is also promoting a technology called DigitalConnect which enables connection of projectors to their...

...transmission.

In living colour

The consumer market boom has also boosted the sales of colour **printers** and multifunction devices that combine colour printing with scanning, fax and copying facilities in various...

... more affordable and will eventually put scanner vendors in particular under some pressure at the **low** end of the market.

Products such as Samsung's SCX1000 are typical of the kind of offerings that are emerging. SCX1000 is a flatbed scanning device combined with an **inkjet** **printer** and copier. Nigel Collard, product marketing manager at Samsung, believes that it has vast potential...

... for these units start at GBP 145 so, like cameras, they are affordable. But with **low** prices and **low** margins making volume purchase and sale a necessity, only retail, mail-order and online stores...

...them.

There are better prospects in the area of higher-end storage being tuned into **peripheral** -type devices. Although storage area networks (SAN) are not yet well developed, nor affordable enough...

... are doing this to some extent. Both NAS & SAN are creating a need for storage **peripherals** to become more complex, with **embedded servers**, network attached circuitry or Fibre Channel.

PRINTS AND THE REVOLUTION

Some **peripherals** sell on their novelty appeal. One product that may lure this year's gadget-hunters...

...costs GBP 80.

CONCLUSIONS

- Scanner sales are rising and the market is differentiating between the **low** -cost models sold to consumers and high-end applications driving high-end product development.

- Digital...market takes off.

- Projectors are becoming more affordable and new technology is differentiating products well.

- **Low** -end storage has been boosted by higher consumer adoption of PCs and NAS and SAN technologies are driving the development of high-end storage **peripherals**.

- USB has helped the market by making connectivity easier.

- Contextual gaming accessories and multimedia products promise to

keep the sales of entertainment **peripherals** moving.
Appearing in this article:
Computer 2000 (01256) 463 344
Agfa (0208) 231 4517
3Com...

33/3,K/72 (Item 8 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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08682810 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Peerless Enters Emerging Digital Appliance Market with Embedded Directory Agent Product Line
BUSINESS WIRE
December 13, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1202
(USE FORMAT 7 OR 9 FOR FULLTEXT)

... product line.
"As organizations adopt and deploy directory services throughout the enterprise, they will require **full** support and integration of networked digital appliances into directories," said Ed Gavaldon, president and CEO
...

... its award-winning DataFORCE NAS product line. With EDA support, the DataFORCE products will provide **full** support of NetWare 5 connectivity over TCP/IP. Procom's CD/DVD NAS appliances provide...

...We, at Procom, are pleased to have collaborated with Peerless and Novell to engineer an **embedded server** kit of the quality of Peerless' EDA for Storage. It provides our customers a solid...

...Storage in a comprehensive Software Developer's Kit (SDK) which supports Novell's eDirectory. The **full** EDA product line, when launched, will also be available in comprehensive SDKs and will provide...

... upgrades and can customize the EDA for the OEMs' product category, with support for the **full** product design cycle from conception to launch.

About Novell, Inc.

Novell, Inc. (Nasdaq:NOVL) is... and networking systems to original equipment manufacturers of digital document products. Digital document products include **printers**, copiers, fax machines, scanners and color products, as well as multifunction products that perform a...

33/3,K/73 (Item 9 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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04248877 (USE FORMAT 7 OR 9 FOR FULLTEXT)
SUN MICROSYSTEMS: Sun announces availability of 400 MHz SPARCengine Ultra AXmp board
M2 PRESSWIRE
February 05, 1999
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1174

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the best of all possible solutions - the power of multiprocessing, the flexibility of a rackable, low profile in a small form factor board, high compute density and almost linear scalability - while...

... OEMs to shorten new product development cycles and decrease overall system costs with less expensive **peripherals**, making it the foundation technology of choice for key integrators.

To compete in today's...

... disengage the active core from the receptacle and replace it with a spare core. The **replacement** can be performed without removing or reattaching cables, thus eliminating a major source of system...

... RS450 is ideal for businesses deploying Web service, CGI scripting, database applications, clustering, high speed **data communication** and custom applications for target industries.

Capable of supporting over 16.2 TB of external...

...swappable cooling, N + 1 hot swappable power supplies and RAID storage.

"We'll be taking **full** advantage of the Ultra AXmp Board's Advanced System Monitoring capabilities," said John Bair, PDSi...

... can be replaced prior to failure. Customers will be able to choose between front panel **warning** indicators, a GO display or remote dial-out **notification** of system monitoring capabilities. These features allow us to provide a true high-availability solution...

... and customises system requests, offering the latest in Sun technology for high-end imaging systems, **embedded servers**, next generation Internet telephony, telecommunication servers or embedded storage solutions. Rave's RackMount-AXmp system...

33/3,K/74 (Item 10 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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03474136 (USE FORMAT 7 OR 9 FOR FULLTEXT)

The printed world

Emerging standards like Sun's Jini and HP's Jetsend are allowing printers to break free from the shackles of the PC. And with a new internet protocol they are even taking on the humble fax. Craig Hinton reports.

NETWORK NEWS, p41

November 18, 1998

JOURNAL CODE: WNNS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1807

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Emerging standards like Sun's Jini and HP's Jetsend are allowing printers to break free from the shackles of the PC. And with a new internet protocol...

...hard copy. Never again would you have to change the ink or toner in another **printer** or fax machine, never again would you have to look for a letter opener

... to them. E-mails are printed, faxes are sent - with the result that the office **printer** is busier than ever. The truth is that people like paper: e-mails haven't...

...s hearts and minds.

So, we have to accept that the printed word - and therefore **printers** - will be with us for some time to come. However, that doesn't mean that **printer** technology has become stuck in a rut. Even with black and white **printers**, users are demanding higher and higher resolutions, and faster and faster processors to cope with...

... isn't without its consequences. Cost is one: offices are moving away from individual desktop **printers** towards the centralised, high-end network **printers** which offer the high quality and capacity users want, and such **printers** don't come cheap. Furthermore, when you start **sending** complex **data** across your network - such as Postscript files with a lot of embedded graphics - bottlenecks can arise without sufficient bandwidth.

"I'm totally convinced that the minimum **printer** resolution will be 1,200dpi by 2000, to meet the demands that users will expect for the best quality document reproduction," said Colin Casey, technical services director for **printer** manufacturer Kyocera. "To ensure that network systems deliver print data from the PC without bottlenecks...
...to-PC data transfer.

The driverless driver

Fine, so you have a single high-end **printer** attached to a high-speed network. Is this the end of the problem? As anyone who has installed a new **printer** can attest, they have a tendency to be as far removed from plug-and-play as possible, with diskloads of drivers being required for each **printer**. Despite the advances made in making it easier for many network devices to talk to...

... still a multitude of protocols out there - almost as many as there are makes of **printer**.

However, the last few years have seen a number of developments designed to make life...

...management and configuration.

One advantage to using Jetsend is that there is no need for **data** to be **routed** via an intermediate PC. In a traditional network printing setup, a whole series of drivers...

...the scanner and passes it to a PC, which then outputs the data to the **printer** driver. Rather than add value, the PC's role is simply to translate and transfer...

... Jetsend, the information is device-independent, and is passed directly between the scanner and the **printer**, making the intermediate PC redundant.

This technique obviously has a number of benefits. Clearly, it...

...scanner, but the scanned information can be sent as an e-mail or to a **printer** using Jetsend. Whether Jetsend is adopted as a universal protocol depends on the uptake from...

... not the only company investigating driver-free protocols. Sun's Jini project encompasses not only **printers**, but all other network equipment as well - a realisation of Sun's slogan, "The network...capable of, what capacity it has, and so on.

In printing terms, a Jini-enabled **printer** would announce its details and capabilities to the network: if a PC wanted to use...

... building networks - the network effectively helps to build itself - in printing terms it makes the **printer** drivers transparent.

Possibly the most exciting development in printing technology,

however, is the current research...

... independent," IPP will have to be operating system-independent, and encompass all of the different **printer** drivers and protocols available.

A couple of years ago, a number of interested parties began...

...a reality.

It has already been tested successfully, allowing documents to be printed to remote **printers** directly over the internet. One clear benefit of using IPP will be the ability to...

...s lives - the fax machine - because documents can be printed at higher definitions on a **printer** for the cost of a local call to the ISP. There are still some security...

...the hands of an unsupervised fax machine.

The group is also working on the Universal **Printer** Driver Format (UPDF), which would do away with different print drivers from different manufacturers altogether. UPDF will install on any **printer**; once it has read a vendor-supplied text file, it will automatically configure the **printer** to the environment in which it is placed.

It is clear from the continued development...

...that printing won't go away, simply because people don't want it to. If **printers** are to remain attached to the network they will have to become more versatile, easily...

... such as HP and Sun, and working parties such as IPPWG, will make diskloads of **printer** drivers obsolete, and secure the **printer**'s place in the network for the foreseeable future.

Craig Hinton is associate editor of...

... the possibility that HP will support the protocol alongside its own Jetsend protocol, for linking **printers**.

According to Ashim Pal, senior analyst with the Meta Group, HP has not been very...

... Jetsend technology to Xerox, Canon and Ricoh. Previous efforts to increase the network intelligence of **printers** have also largely fallen on deaf ears. Novell released similar technology called Nest (Novell Embedded Systems Technology), and although all the major **printer** manufacturers expressed interest, none of them ended up using it.

Jini is not alone. There...

...its Inferno distributed operating system.

But in its favour, Sun has already introduced its Java **Embedded Server**, a technology that will allow the software in all kinds of network connected devices to...

33/3, K/75 (Item 11 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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02995754

Sun ships stepping stone to Jini

SECTION TITLE: News

Dominique Deckmyn in Silicon Valley

NEWSWIRE (VNU)

October 02, 1998

Ginger Roberts DeMille

JOURNAL CODE: WNEW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 307

Sun has announced the availability of Java **Embedded Server**, a technology that will allow the software in all kinds of network connected devices to...

... updated remotely. The technology is a stepping stone towards the much hyped Jini protocol. Java **Embedded Server**, despite the name, does not run on a server but on any type of device...

...Java. It allows these devices to be changed with new software written in the language. **Embedded Server** allows the manufacturer or user of a device to upgrade the software of the device...

... software update can be performed remotely over the Internet. For instance, a router or a **printer** could be updated with new diagnostic software, or with a metering application, without the device ever...

... said the software could also be used in ATMs, gasoline pumps or even dishwashers. Java **Embedded Server** is a '100% pure Java' application, about 500Kbytes in size. It will run on top of a **full** blown Java Virtual Machine, but also on the scaled down Personal Java and Embedded Java. Sun is positioning **Embedded Server** as a good way to prepare for its Jini technology. Jini is a Java based...

... the need for installing device specific driver software. Jini is currently in beta. Putting Java **Embedded Server** on a product now will allow you to get the Jini service on the device," said Crump. The next version of Java **Embedded Server**, release 1.1, will actually include the Jini service out of the box.

33/3,K/76 (Item 12 from file: 20)
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02215241 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Industry Endorses Storage With PCI Expansion; Over 20 -2-
BUSINESS WIRE
July 15, 1998 9:20
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 876

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Prism Library Architecture provide a unique solution for ATL customers to easily and quickly build **embedded server** storage systems."

James D. Greenup
Vice President, Sales and Marketing
Spectra Logic Corp.

"Alexandria (UNIX Review's 1997 **Peripheral** Product of the Year winner) coupled with Prism-based libraries from ATL will deliver performance..."

... that feature dedicated library operations, significant cost and performance benefits, plug-and-play compatibility, simplified **maintenance**, and an interface pathway to remote library administration."

Denise Reier
Vice President of Marketing
SCH...

SIC CODES/DESCRIPTIONS: 3577 (Computer Peripheral Equipment); 3570 (Computer & Office Equipment)

33/3,K/77 (Item 13 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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01455649 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Procom to Showcase Network Attached Storage Solutions At Networld+Interop '98 in Las Vegas
PR NEWswire
April 23, 1998 8:36
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 912

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...its processing power to handle storage features (data storage, data pump, backup, data management, prefailure, **notification** and SNMP). By moving storage functions off the server and onto a NASD, servers will...
... performance and high-availability. Procom's NetFORCE offers scalability, high-availability, fail over, Automatic Failure **Notification** (AFN) and remote management.

CD-ROM/DVD FORCE Networking Solutions
CD-ROM/DVD FORCE servers...

...many manufacturers' server software including the company's own CD FORCE 2.0 32-bit **embedded server** software. When used in conjunction with Procom's CD servers it provides multiple administrators with...

SIC CODES/DESCRIPTIONS: 3577 (Computer Peripheral Equipment); 3570 (Computer & Office Equipment)

33/3,K/78 (Item 14 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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01427458 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Creative Design Solutions Announces Industry's Fastest Hot-Pluggable, Thin Server Storage Solution for Novice Users and Small or Branch Offices
BUSINESS WIRE
April 20, 1998 10:1
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 704

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Creative Design Solutions Inc. (CDS) today announced Plug & Stor(TM) 100, a high-performance, **low** -cost, easy-to-use, hot-pluggable thin server storage solution delivered as a compact desktop...

... type of SCSI device, CDS supports hard disk drives, CD-ROM drives, removable media, and **printers**. Plug & Stor 100 is an ideal solution for VARs addressing small office and branch office...

... product in only five minutes with zero system downtime. Further, Plug & Stor 100 ensures a **low** total cost of ownership by eliminating unnecessary

hardware costs, the need for new operating system and client licenses, and ongoing complex administration and maintenance. "Plug & Stor 100, just one of three products CDS is announcing today, illustrates the leadership ...

... that sets up the system in minutes and makes it available to the network. CDS **Embedded Server** Architecture includes a realtime operating system, a high-performance journaling and caching file system and...

...immediately, at a list price of \$995. CDS today also announced two other high-performance, low -cost, easy-to-use, hot-pluggable thin server storage solutions: Plug & Stor(TM) 200, designed...

... server solutions. Plug & Stor(TM) products, sold directly, enable OEMs, VARs and SIs to offer low -cost, high-performance, user-friendly network attached storage to customers who want a competitive edge...

33/3,K/79 (Item 1 from file: 610)
DIALOG(R) File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00625552 20011126330B8506 (USE FORMAT 7 FOR FULLTEXT)
Force Computers Upgrades Flexor System 1, System 2 Embedded Servers to Gigahertz Performance-1U, 2U Rack-Mount Systems Now Available with 1GHz Pentium III Processors -- Fastest On Intel's Embedded Roadmap, DC Power Supplies Also Offered as an Option

Business Wire

Monday, November 26, 2001 08:00 EST

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 847

Force Computers Upgrades Flexor System 1, System 2 Embedded Servers to Gigahertz Performance-1U, 2U Rack-Mount Systems Now Available with 1GHz Pentium III Processors...

TEXT:

...computing, today announced a performance upgrade to its Flexor(TM) System 1 and System 2 **embedded servers** with availability now including 1GHz Pentium(R) III processors -- the fastest on Intel's embedded...

...bit PCI

slot, half-length ISA slot (if second Ethernet interface not required) and optional **full -length 64-bit PCI slot**
-- System 2
-- five slots in all with three **full -length 64-bit PCI slots**, one half-length 32-bit PCI slot and one shared **full -length PCI/ISA slot**

Both offer DVD/floppy, CD/floppy and internal drive options. From...

...combine to create platforms to match OEM requirements. PICMG passive backplane technology offers advantages of **low -cost peripherals** and I/O cards from the PC

market but
with flexibility and reliability standard PCs...
...products offer optimum
industrial/embedded computing solutions.
Availability and Pricing

System 1 and System 2 **embedded servers** are now available in volume.
Prices
start at \$1,550 for System 1 and \$1...

...INDUSTRY NAMES: **DATA COMMUNICATIONS** ;

33/3,K/80 (Item 2 from file: 610)
DIALOG(R) File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00575416 20010821233B6204 (USE FORMAT 7 FOR FULLTEXT)
Virata Delivers the First Windows XP Compatible, Fully Integrated UPnP/NAT Solution On Silicon for Internet Gateway Devices-Virata's UPnP with NAT Traversal Solution Will Enable Gateways to Deliver Services Such as Messaging,...
Business Wire
Tuesday, August 21, 2001 08:00 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWswire
WORD COUNT: 1,319

TEXT:
...CLARA, Calif., Aug 20, 2001 (BUSINESS WIRE) -- Virata(R) Corporation (Nasdaq:VRTA) today announced the **full** integration of Universal Plug and Play (UPnP) Internet Gateway Device specification for NAT traversal into...

...Me and Windows XP that
enables network devices of all forms, such as PCs, PDAs, **printers**,
broadband
routers, consumer electronics, etc., to be truly plug and play on the home network...

...the gateway's web interface, being powered by EmWeb Server, a HTTP 1.1 compliant **embedded server**, when the Virata solution is used.

What is NAT Traversal?

By interfacing NAT software with...

...INDUSTRY NAMES: **DATA COMMUNICATIONS** ;

33/3,K/81 (Item 3 from file: 610)
DIALOG(R) File 610:Business Wire
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00546503 20010628179B6861 (USE FORMAT 7 FOR FULLTEXT)
PTSC Announces New Integrated OSGi Suite for Rapid Development of Gateways
Business Wire
Thursday, June 28, 2001 06:00 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT